



**Final**

**Record of Decision  
Former Transformer Storage Area  
Site 15**

**Alameda Point  
Alameda, California**

**May 30, 2006**

Prepared for:

**Base Realignment and Closure  
Program Management Office West  
San Diego, California**

Prepared under:

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## **Attachment**

- A Administrative Record Index
- B Agency Agreement with Selected Remedy
- C Transcript from Public Meeting, Sign-In Sheet, and Public Notice
- D Responsiveness Summary

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## **ACRONYMS AND ABBREVIATIONS**

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µg/L	Microgram per liter
AOC	Area of concern
B(a)P	Benzo(a)pyrene
BCT	BRAC Cleanup Team
bgs	Below ground surface
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
COPC	Chemical of potential concern
COPEC	Chemical of potential ecological concern
CPT	Cone penetrometer testing
DTSC	California Department of Toxic Substances Control
EBS	Environmental baseline survey
EPA	U.S. Environmental Protection Agency
ERA	Ecological risk assessment
ERM	Environmental Resources Management
FS	Feasibility study
FWBZ	First water-bearing zone
HEAST	Health Effects Assessment Summary Tables
HHRA	Human health risk assessment
HI	Hazard index
HQ	Hazard quotient
IAS	Initial assessment study
IR	Installation Restoration
IRIS	Integrated Risk Information System
IT	International Technology Corporation
JMM	J.M. Montgomery Associates
LOAEL	Lowest observed adverse effect level
MCL	Maximum contaminant level
mg/kg	Milligram per kilogram
NACIP	Navy Assessment and Control of Installation Pollutants

## ***ACRONYMS AND ABBREVIATIONS (Continued)***

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NAS	Naval Air Station
Navy	U.S. Department of the Navy
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NEESA	Naval Energy and Environmental Support Activity
NOAEL	No observed adverse effects level
NPL	National Priority List
OEHHA	California Office of Environmental Health Hazard Assessment
OU	Operable unit
PAH	Polynuclear aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PRC	PRC Environmental Management, Inc.
PRG	Preliminary remediation goal
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RFA	RCRA facility assessment
RI	Remedial investigation
ROD	Record of decision
SARA	Superfund Amendments and Reauthorization Act
STSC	Superfund Technical Support Center
SVOC	Semivolatile organic compound
SWBZ	Second water-bearing zone
SWMU	Solid waste management unit
TDS	Total dissolved solids
Tetra Tech	Tetra Tech EM Inc.
TPH	Total petroleum hydrocarbons
TRV	Toxicity reference value
VOC	Volatile organic compound
Water Board	San Francisco Bay Regional Water Quality Control Board

## DECLARATION

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### SITE NAME AND LOCATION

This decision document addresses the former Transformer Storage Area (Installation Restoration [IR] Site 15) at the former Naval Air Station (NAS), now referred to as Alameda Point, in Alameda, California. The U.S. Environmental Protection Agency (EPA) Comprehensive Environmental Response, Compensation, and Liability Act Information System identification number is CA2170023236.

### STATEMENT OF BASIS AND PURPOSE

This record of decision (ROD) presents the selected remedy, no further action for soil and no action for groundwater, for the former Transformer Storage Area (Site 15), Alameda, California.

This document was developed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by Superfund Amendments and Reauthorization Act (SARA) of 1986 (Title 42 United States Code Section 9601, et seq.), and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (Title 40 *Code of Federal Regulations* Part 300).

This decision is based on information contained in the administrative record file (a site-specific administrative record index is included as [Attachment A](#)) as well as on extensive field investigations, laboratory analyses, interpretation of the data, evaluation of current and future conditions, and thorough assessment of the potential human health and ecological risks. Based on these findings, there are no land use restrictions, environmental monitoring, or Resource and Recovery Act (RCRA) corrective action required at the site.

The U.S. Department of the Navy (Navy), the EPA, the State of California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (Water Board), concur on the selected remedy for this site. An agreement letter from DTSC is included as [Attachment B](#).

### ASSESSMENT OF THE SITE

The Navy has concluded that remedial action is not required to protect public health or the environment on the basis of the following:

- Site histories
- Field investigations
- Laboratory analytical results

- Evaluation of potential ecological and human health risks
- Current and reasonably anticipated future land use

Results of investigations at the former Transformer Storage Area (Site 15) have verified that current and reasonably anticipated future land uses at the site do not pose a risk to human health or the environment. The human health risk assessment indicated that no significant risks to human health remain at the site. Similarly, the ecological risk assessment concluded that there are no unacceptable ecological risks associated with soil and groundwater at the site.

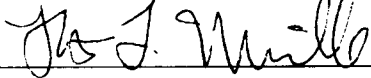
## **STATUTORY DETERMINATIONS**

The Navy has concluded that no remedial action is necessary at the site because a previous removal action eliminated the need to conduct further actions. In addition, the current and reasonably anticipated future land use and likely future use of the site is protective of human health and the environment and complies with federal and state requirements. A five-year status review will not be required because: 1) this remedy will not result in hazardous substances, pollutants, or contaminants remaining on-site at levels above those that allow for unlimited use and unrestricted exposure, and 2) as a result, a remedial action was not necessary or selected in this ROD.



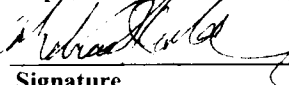

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**AUTHORIZING SIGNATURES**

  
\_\_\_\_\_  
Signature

6-21-06  
Date

Thomas Macchiarella  
Base Realignment and Closure Environmental Coordinator  
Base Realignment and Closure Program Office West  
Department of the Navy

   
\_\_\_\_\_  
Signature

6/6/06  
Date

Kathleen Johnson  
Chief, Superfund Federal Facilities and Site Cleanup Branch  
U.S. Environmental Protection Agency

  
\_\_\_\_\_  
Signature

6-13-06  
Date

*The State of California, Department of Toxic Substances Control had an opportunity to review and comment on the Record of Decision and DTSC's concerns were addressed*

Anthony J. Landis, P.E.  
Chief, Northern California Operations,  
Office of Military Facilities  
California Environmental Protection Agency  
Department of Toxic Substances Control

  
\_\_\_\_\_  
Signature

6/16/06  
Date

Bruce H. Wolfe  
Executive Officer  
San Francisco Bay Regional Water Quality Control Board

## **1.0 SITE NAME, LOCATION, AND DESCRIPTION**

This record of decision (ROD) presents the determination by the U.S. Department of the Navy (Navy) that no remedial action is necessary at the former Transformer Storage Area (Installation Restoration [IR] Site 15). Site 15 is part of Operable Unit (OU) 1 at the former Naval Air Station (NAS) Alameda (now referred to as Alameda Point) in Alameda, California. The document was developed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 (Title 42 *United States Code* Section 9602 et seq. [and the following one or ones]) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (Title 40 *Code of Federal Regulations* Section 300 et seq.). The decision for this site is based on the information contained in the administrative record. The administrative record index for this no further action for soil and no action for groundwater site is found in [Attachment A](#).

### **1.1 SITE NAME**

This decision document addresses IR Site 15, the Former Transformer Storage Area at Alameda Point (hereinafter referred to as Site 15).

### **1.2 SITE LOCATION**

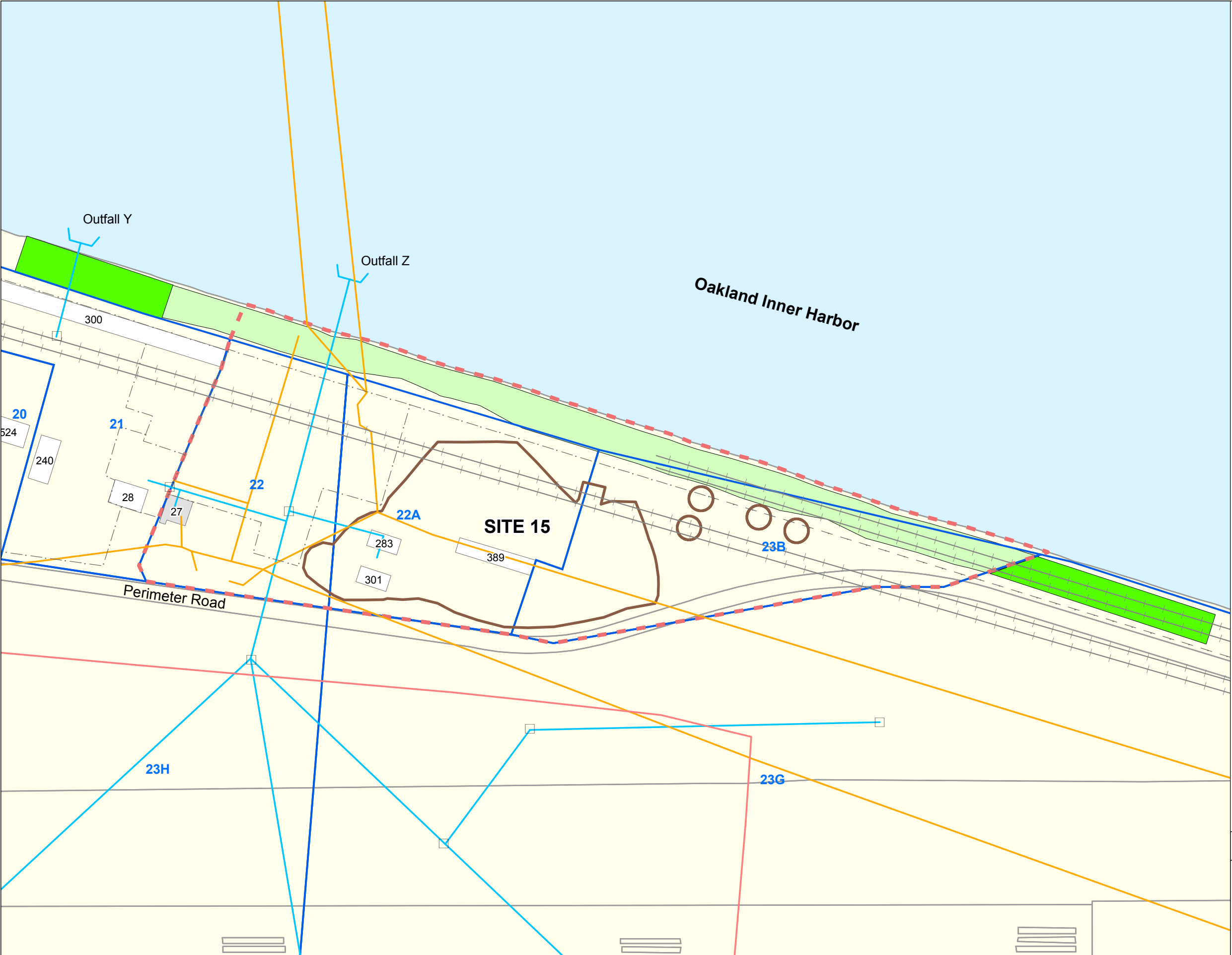
Site 15 is part of Alameda Point, which is adjacent to the City of Oakland (see [Figure 1-1](#)). Alameda Point is roughly rectangular, about 2 miles long (east to west) and 1 mile wide (north to south), and occupies 1,734 acres of onshore land. Site 15 is located in the northwestern portion of Alameda Point, north of Runway 7-25 and Perimeter Road, and adjacent to the Oakland Inner Harbor (see [Figure 1-2](#)).

### **1.3 SITE DESCRIPTION**

Site 15 consists of about six unpaved acres (see [Table 1-1](#)). Approximately 1 acre of wetlands is located along the northern portion of the site, which is a 20-foot wide section between the Site 15 fence and the shore of Oakland Inner Harbor (see [Figure 1-3](#)). Building 27, the only building remaining on the site, served as a sewer lift station and maintenance shop. Materials stored in Building 27 included petroleum products and disinfectants. Former Buildings 283, 301, and 389 were Quonset huts (prefabricated portable huts made of corrugated metal) and were used to store electrical equipment, oil-filled transformers, and unused machinery. Transformers also were stored on the bare ground in the areas around the buildings. Additional features at Site 15 include several storm sewer lines that are present in the western portion of Site 15. Also, two narrow-gauge railroads (Alameda mole) passed through Site 15 during the late 1800s.

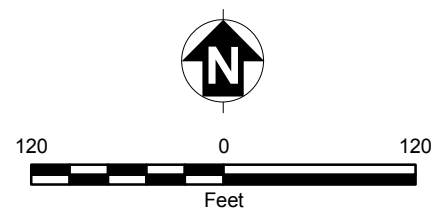






- Catch Basin
- Fence Line
- Fuel Line
- Sanitary Sewer Line
- Storm Sewer Line
- Railroad
- CERCLA Site
- Environmental Baseline Survey Parcel
- Excavation
- Wetland
  - Delineated
  - Inferred
- Buildings
  - Present
  - Removed

Note:  
CERCLA Comprehensive Environment Response,  
Compensation, and Liability Act



**Alameda Point**  
U.S Navy, BRAC PMO West, San Diego, CA

**FIGURE 1-3**  
**SITE 15 FEATURES**  
Operable Unit 1 Site 15  
Record of Decision, Alameda Point

**TABLE 1-1: SITE 15 DESCRIPTION**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Operable Unit Number	Site Name	Approximate Area (acres)	Approximate Depth to Groundwater (feet bgs)	Site Description
OU-1	Site 15	6	5	<p>Site 15 consists of about 6 unpaved acres. Approximately 1 acre of wetland is located in the northern boundary of the site near Oakland Inner Harbor. Site 15 includes Building 27, the only building remaining on the site, and several storm lines. It is located in the northwestern portion of Alameda Point bounded by the Oakland Inner Harbor, Runway 7-25, and Site 14. Former Buildings 283, 301, and 389, constructed by the Navy in the 1950s, and their associated yards were located within the site boundary. The site was primarily used for storage of petroleum products, biocides, electrical equipment, oil-filled transformers, and machinery.</p> <p>Contamination included a PCB (Aroclor-1260) and lead, which may have been released to soil from spills or leaking oil-containing transformers, use of PCB-containing oil for weed control, or storage and use of lead-based paints. Additionally, PAHs were detected in soil at the site, which were attributed to the use of dredge materials from San Francisco Bay as fill material.</p>

## Notes:

bgs	below ground surface
OU	Operable unit
PAH	Polynuclear aromatic hydrocarbons
PCB	Polychlorinated biphenyl



## 2.0 SITE HISTORY AND ENFORCEMENT ACTIVITIES

This section summarizes the history of investigation activities conducted at Site 15.

### 2.1 SITE HISTORY

Alameda Point is located on the western tip of Alameda Island, which is on the eastern side of San Francisco Bay. Most of the northern portions of Alameda Island were covered by the waters and tidal lands of San Francisco Bay. To create Alameda Point, fill material was dredged from San Francisco Bay. The U.S. Army acquired Alameda Point from the City of Alameda in 1930. The Navy later acquired the land from the U.S. Army in 1936, and built the former NAS Alameda to support the Navy's operations in Europe before World War II. During the operation of NAS Alameda, it housed approximately 60 military tenant commands for a combined military/civilian work force of over 18,000 personnel.

In the mid- to late-1800s, two narrow-gauge railroads running parallel to the Oakland Inner Harbor and extending to a former pier and ferry terminal on the northwestern tip of Alameda Point (Alameda mole) were established. Although a surveyed location of the railroad is unavailable, aerial photographs show that railroads were constructed in the area that is designated as Site 15 ([Tetra Tech EM Inc. \[Tetra Tech\] 2003c](#)) (see [Figure 1-3](#)).

Historically, Site 15 was used for storage of petroleum products, biocides, electrical equipment, oil-filled transformers, and machinery. Building 27, the only building remaining at the site, was used as a sewer lift station, maintenance shop, and storage of petroleum products and biocides. Former Buildings 283, 301, and 389 were Quonset huts that were constructed by the Navy in the 1950s. Former Buildings 283 and 301 were used for storing electrical equipment, oil-filled transformers, and machinery; and Building 389 was used for transformer storage. Prior to 1974, transformers were also stored on the bare soil surrounding these buildings.

The Navy began investigations of contaminated sites in 1982 under the auspices of the Navy Assessment and Control of Installation Pollutants (NACIP) program. The Navy's procedures and priorities for conducting environmental investigations and cleanups have evolved, partly in response to events such as the closure of NAS Alameda in April 1997, under the Base Realignment and Closure (BRAC) Act, and the designation of Alameda Point as a National Priority List (NPL) site in July 1999 ([U.S. Environmental Protection Agency \[EPA\] 1999](#)). When NAS Alameda was listed for closure, responsibility for the environmental cleanup program at Alameda Point passed to the BRAC Cleanup Team (BCT). At Alameda Point, the BCT comprises representatives from Navy, EPA, San Francisco Bay Regional Water Quality Control Board (Water Board), and California Department of Toxic Substances Control (DTSC). The listing of Alameda Point on the NPL invokes the remedial requirements of the NCP and requires EPA concurrence prior to the final classification of any property as uncontaminated. The Navy was also required to negotiate and sign an interagency agreement with EPA. The Navy and the EPA signed the Federal Facility Agreement in 2001, and the DTSC and the Water Board signed it in 2005.

The BCT developed a comprehensive strategy to accelerate site investigation, cleanup, and reuse of the CERCLA sites at Alameda Point, and part of that strategy involved grouping the sites into OUs. Site 15 is part of OU-1 and is designated as a light industrial OU because it is a relatively small site with relatively low levels of contamination related to storage of PCB-containing transformers; historical use of petroleum, oil and lubricants; lead-based paint from buildings; and PAHs possibly associated with fill material used to create the installation. This ROD does not address all of OU-1 but rather addresses Site 15 only. OU-1 also contains Sites 6, 7, 8, 14, and 16, which will be addressed in separate ROD documents. Previously, the basewide storm sewer system was designated Site 18. Storm sewers are currently being addressed within their respective CERCLA site; therefore, the storm sewers located within the boundary of Site 15 are being addressed by this decision document.

## **2.2 INVESTIGATION ACTIVITIES**

No enforcement activities are related to Site 15 or any other OU-1 sites. Environmental investigation and remedial activities associated with OU-1 are implemented under an installation-wide environmental program called the IR program. The purpose of this program is to identify, investigate, assess, characterize, and cost-effectively clean up or control releases of hazardous substances to reduce the risk to human health and the environment. The program is administered in accordance with the following environmental laws:

- CERCLA, as amended by SARA, and the Community Environmental Response Facilitation Act (CERFA)
- Resource Conservation and Recovery Act (RCRA)
- National Environmental Policy Act

CERCLA applies to sites where a hazardous substance is known or suspected to have been released to the environment. CERFA requires the federal government to identify, for each facility, real property that is not contaminated and that offers the greatest opportunity for expedited reuse and redevelopment by the community. Real property identified as uncontaminated under CERFA must be free of hazardous substances and petroleum products, or the remediation of contamination by such substances should be expedited to facilitate transfer of the property to the public. RCRA generally applies to active solid and hazardous waste management facilities. RCRA also may apply to past solid waste management units (SWMU) and/or areas of concern (AOC) that are located on past hazardous waste management facilities. CERCLA and RCRA address the investigation and cleanup of contaminated property through slightly different, but functionally equivalent processes; therefore, regulatory authorities normally require the application of only one of the processes, when both CERCLA and RCRA apply to a single site. In these instances, brief explanations are prepared to indicate the fulfillment of the requirements for the process that was not used. No RCRA SWMUs or AOCs were identified at Site 15



In addition to investigations under CERCLA, Alameda Point and Site 15 also underwent environmental baseline survey (EBS) investigations. The following sections summarize the CERCLA, RCRA, and EBS activities conducted at Site 15.

## **2.2.1 CERCLA Investigation Activities**

The Navy initiated environmental investigations at Alameda Point under the NACIP program. Under the NACIP, the Navy performed an initial assessment study (IAS) in 1982 to assess Alameda Point for areas posing a potential threat to human health or the environment due to contamination from past hazardous materials operations (see [Table 2-1](#)). The IAS identified Site 15 as needing further study, based on the historical uses of the buildings at the site, including storing electrical equipment, oil-filled transformers, and old unused machinery ([Naval Energy and Environmental Support Activity \[NEESA\] 1983](#)). In 1985, a verification step/characterization study was performed at the site, and surface samples were collected in transformer storage areas adjacent to Building 389 and analyzed for polychlorinated biphenyls (PCBs) ([Wahler Associates 1985](#)).

On June 6, 1988, the Navy received a Remedial Action Order from the California Department of Health Services (now DTSC) that identified Site 15 as needing a remedial investigation/feasibility study (RI/FS), in conformance with the requirements of CERCLA. In response, the Navy converted its NACIP program into the IR program to be more consistent with CERCLA, and investigations were conducted in a phased approach.

Phase I of the CERCLA investigations encompassed several other sites at Alameda Point, but did not include Site 15. Investigations at Site 15 were conducted in 1991 during Phases 2B and 3. During the Phase 2B and 3 investigations, surface soil, subsurface soil, and groundwater samples were collected to (1) support a human health risk assessment (HHRA) for the site, (2) characterize potential contaminant sources at the site, and (3) assess whether past hazardous waste storage activities had resulted in any releases to the environment ([PRC Environmental Management Inc. \[PRC\] and J.M. Montgomery Associates \[JMM\] 1992](#)). Semivolatile organic compounds (SVOCs), including polynuclear aromatic hydrocarbons (PAHs) and phthalates; volatile organic compounds (VOCs); pesticides and PCBs; and metals were detected in soil samples. No chemicals were detected in any groundwater samples at concentrations above screening levels. Recommendations included (1) future quarterly groundwater monitoring and (2) additional sampling of surface soil to determine the aerial extent of PAHs, pesticides, PCBs, and metals ([PRC and JMM 1992](#)). Future quarterly groundwater monitoring was conducted to address data gaps.

In 1994, the Navy conducted a follow-on investigation to collect additional chemical, geological, and hydrogeologic data at Site 15 where data gaps existed from the Phase 2B and 3 investigations ([PRC and JMM 1994](#)). Field activities included cone penetrometer testing (CPT) and groundwater sampling using direct-push technology in order to evaluate the lithology and hydrogeologic characteristics of the site below a depth of 15 feet and to assess the thickness of the second water-bearing zone (SWBZ). Groundwater samples were collected quarterly at two monitoring wells in the first water-bearing zone (FWBZ), and surface soil samples were collected from the wetland ([PRC and JMM 1996](#)). SVOCs (including PAHs), pesticides, and metals (lead and copper) were detected in soil samples and total petroleum hydrocarbons (TPH)

and metals were detected in groundwater samples. Based on review of the data, all chemicals (except for TPH) were determined to be similar in nature and extent to those found during previous investigations. As a result, the extent of potential chemicals of interest in soil and groundwater was adequately characterized for the purpose of conducting an RI and FS.

Based on these investigations, a CERCLA removal action was conducted at Site 15 from May 1994 to December 1995 in order to mitigate the risk to human health and the environment caused by potential exposures of human and ecological receptors to soils with elevated concentrations of PCBs and lead and reduce the potential effects of soil contaminants on groundwater. The removal activities included the demolition of Buildings 283 and 301 and the foundation of Building 389; excavation, stockpiling, and off-site disposal of 6,600 cubic yards of soil; confirmation sampling; and backfilling of the excavation. Cleanup levels of 1.0 and 130 milligrams per kilogram (mg/kg) for PCBs and lead, respectively, were used (Tetra Tech 1998). A total of 170 confirmation samples were collected during the removal action at Site 15, and PCB, lead, pesticide, SVOC, and metals analyses were conducted on selected samples. These sample results indicated that the clean-up objectives agreed to by the BCT were met. As a result of unanticipated conditions encountered during the initial phase of the removal action, the Navy was unable to complete the on-site treatment of excavated soil using soil washing technology. Excavated soil was located in a temporary storage and treatment area until it was disposed of at the Altamont and Chemical Waste Management Landfill Facilities (Tetra Tech 1998). Addenda to the engineering evaluation/cost analysis and action memorandum (Moju 1997a, b) were prepared to support the final disposition of the soil, and a close-out report was prepared (Tetra Tech 1998).

In 2001, supplemental RI data gap sampling was conducted at Site 15 to delineate PCBs and lead in soil in the wetland area in support of a removal action and to collect a soil sample for chromium speciation to support the risk assessments (Tetra Tech 2002b). Soil samples collected during previous investigations had been analyzed for total chromium, which does not distinguish between the two common species of chromium, trivalent chromium (Cr III) and the more toxic hexavalent chromium (Cr VI). Hexavalent chromium was not detected in the samples. Soil samples were collected at depths of 0.5 to 2 feet below ground surface (bgs). Based on review of the data, the clean-up objectives agreed to by the BCT were met. As a result, the removal action was not conducted.

In support of this investigation, wetland boundaries were delineated using the routine on-site inspection method outlined in the 1987 U.S. Army Corps of Engineers wetland delineation manual. Wetland boundaries were delineated by visually observing soil, vegetation, and hydrology characteristics along a transect line (Tetra Tech 2001). The study area, which was about 700 feet long and 60 feet wide, was previously part of the Southern Pacific railroad mole that serviced the ferry station during the late 1800s and has since been incorporated into the boundary of Site 15. It is located on the northern edge of Site 15 and is bounded to the south by a fence and the Oakland Inner Harbor to the north. Approximately, 1 acre of wetland was delineated at Site 15 (see Figure 1-3).

An RI report for Sites 14 and 15 was prepared and became final in 2003 (Tetra Tech 2003a). The remaining OU-1 sites, Sites 6, 7, 8, and 16 are addressed in a separate RI report.

PAH sampling was conducted at Site 15 in 2005 ([Battelle 2006](#)). The objective of the investigation was to obtain PAH analytical data for soil that are acceptable for risk assessment because detection limits for historical PAH data were elevated. PAH concentrations in soil, expressed as benzo(a)pyrene [BaP] equivalents, were below 1.0 mg/kg, with the average concentration below the screening level of 0.62 mg/kg.

In October 2005, the Navy distributed a proposed plan for Site 15, which included their recommendation for no further action for soil and no action for groundwater ([Tetra Tech 2005](#)). The proposed plan summarized the history of the site, including the environmental investigations conducted, and notified the community of the public meeting and public comment period.

[Table 2-1](#) summarizes the CERCLA investigation activities at Site 15.

### **2.2.2 RCRA Investigation Activities**

A RCRA facility assessment (RFA) was conducted at Alameda Point in 1992 ([DTSC 1992](#)). Its primary purpose was to identify SWMUs and AOCs and to collect preliminary information on all actual or potential contaminant releases from these SWMUs and AOCs to evaluate the need and scope of a RCRA facility investigation. No RCRA-permitted units or RCRA SWMUs were located within Site 15; therefore, Site 15 is not part of the RCRA program ([International Technology Corporation \[IT\] 2001](#)).

### **2.2.3 EBS Investigation Activities**

As mandated by BRAC, the Navy conducted a series of basewide investigations at Alameda Point, as part of the EBS. The purpose of the investigation was to inventory all Alameda Point property, parcel by parcel, and identify known or suspected hazards associated with historical and recent uses. Phase 1 of the investigation included site visits, employee interviews, and historical research ([Environmental Resources Management \[ERM\]-West 1994](#)). In addition, recommendations for additional investigations (Phase 2A) were prepared and presented. Based on the Phase I investigation, it was recommended that soil sampling be conducted at Site 15 to confirm whether a release or disposal of hazardous substances had occurred ([ERM-West 1994](#)). In conjunction with the Phase 2A investigation, a basewide EBS sewer investigation was conducted ([IT 1994](#)).

Site 15 lies within Zones 3 and 4 and is composed of Parcels 22 and 23B. As part of Phase 2A, soil samples and storm sewer corridor samples were collected during 1995 at Parcel 22. No sampling was conducted in Parcel 23B ([IT 2001](#)). No groundwater samples were collected as part of the EBS. The Navy conducted an investigation of the storm sewers at Site 15 to evaluate their condition because leaking storm sewers can be considered a preferential pathway for contamination. Based on this investigation, it was determined that the storm sewers were in good condition and no groundwater plumes were present at the site ([IT 2001](#)). Based on the frequency of detected and reported concentration of target analytes, no additional investigation was recommended ([IT 2001](#)).

See [Table 2-2](#) for a summary of EBS investigation activities.

**TABLE 2-1: SUMMARY OF CERCLA INVESTIGATION ACTIVITIES**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Date	Investigation/Activity	Objective	Summary of Findings
1982	IAS	Identify and assess sites posing a potential threat to human health or to the environment due to contamination from past hazardous materials operations.	Recommended Site 15 for a verification study based on the historical uses of the buildings at the site ( <a href="#">NEESA 1983</a> ).
1985	Confirmation Study	Verify and characterize sites that were identified for further study in the initial assessment study.	Soil samples were collected at the former transformer storage areas ( <a href="#">Wahler Associates 1985</a> ), and Site 15 was identified as needing an RI.
1988	Remedial Action Order	Identify sites at Alameda Point needing an RI/FS in accordance with the requirements of CERCLA	Site 15 was identified along with several other sites at Alameda Point as needing an RI/FS. The RIs were conducted in a phased approach across Alameda Point; the initial RI for Site 15, described below, was conducted in Phases 2B and 3.
1991	RI Phases 2B and 3	Collect data to (1) support an HHRA for the site; (2) characterize potential contaminant sources at the site; and (3) assess whether past hazardous waste storage activities had resulted in any release to the environment	SVOCs (PAHs and phthalates), volatile organic compounds, pesticides and PCBs, and metals were detected in soil samples; no analytes were detected in any groundwater samples. Recommendations included (1) performing future quarterly groundwater monitoring and (2) expanding surface soil sampling to determine the aerial extent of PAHs, pesticides, PCBs, and metals ( <a href="#">PRC and JMM 1992</a> ).
1994	RI Follow-on Investigation	Collect additional chemical, geological, and hydrogeologic data where data gaps existed from previous studies.	SVOCs (PAHs), pesticides, and metals (lead and copper) were detected in soil samples; metals and TPH were detected in groundwater samples. Based on review of the data, all analytes (except for TPH) are similar in nature and extent to those found during previous investigations. As a result, the extent of potential chemicals of interest in soil and groundwater was adequately characterized for the purpose of conducting an RI/FS ( <a href="#">PRC and JMM 1996</a> ).

**TABLE 2-1: SUMMARY OF CERCLA INVESTIGATION ACTIVITIES (Continued)**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Date	Investigation/Activity	Objective	Summary of Findings
1994-1995	Removal Action of PCBs and Lead in Soil	Mitigate the risk to human health and the environment caused by the potential for exposure to soils with elevated concentrations of PCBs and lead and reduce the potential effects of soil contaminants on groundwater.	6,600 cubic yards of PCB- and lead-contaminated soil was removed from the site. PCBs and lead were still detected in soil, but were below interim action levels ( <a href="#">Tetra Tech 1998</a> ).
2001	Supplemental RI Data Gap Sampling	Delineate boundaries of PCB- and lead-contaminated soils in support of a planned removal action and collect a soil sample for chromium speciation to support a revised risk assessment.	Aroclor-1260 and lead were detected in soil samples; however, concentrations were detected above screening levels in samples from only three locations. Total chromium was also detected in soil samples, but hexavalent chromium was not detected ( <a href="#">Tetra Tech 2002b</a> ).
2001	Wetlands Delineation	Support the 2001 supplemental RI data gaps sampling associated with the PCB and lead removal action.	A map of the wetland boundaries at Site 15 was produced ( <a href="#">Tetra Tech 2001</a> ).
2005	PAH Sampling	The objective of the investigation was to obtain PAH analytical data for soil that are acceptable for risk assessment because detection limits for historical PAH data were elevated.	PAH concentrations in soil, expressed as benzo(a)pyrene equivalents, are below 1.0 mg/kg, with the average concentration below the screening level of 0.62 mg/kg ( <a href="#">Battelle 2006</a> ).

## Notes:

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
HHRA	Human health risk assessment
IAS	Initial assessment study
JMM	James M. Montgomery, Consulting Engineers, Inc.
mg/kg	Milligram per kilogram
NEESA	Naval Energy and Environmental Support Activity
PAH	Polynuclear aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PRC	PRC Environmental Management, Inc.
RI	Remedial investigation
RI/FS	Remedial investigation/feasibility study
SVOC	Semivolatile organic compound
Tetra Tech	Tetra Tech EM Inc.

**TABLE 2-2: SUMMARY OF EBS INVESTIGATION ACTIVITIES**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Date	Investigation/Activity	Objective	Summary of Findings
1994	EBS Phase I	Inventory all Alameda Point property on a parcel-by-parcel basis and identify known or suspected hazards associated with historical and recent uses of each parcel.	Soil sampling was recommended to confirm if a release or disposal of hazardous substances had occurred ( <a href="#">ERM-West 1994</a> ).
2001	EBS Phase 2A	Further examine the environmental condition of Alameda Point property.	Soil samples were collected by hand augering and GeoProbe® to evaluate whether any release had occurred. Analytes detected included semivolatile organic compounds, Aroclor-1260, metals, total petroleum hydrocarbons, and oil and grease. Based on the frequency of detected and reported concentrations of target analytes, no additional investigation was recommended ( <a href="#">IT 2001</a> ).
2001	Sewer Investigation	Evaluate the condition of storm sewers at the site.	Found to be in sound condition. No groundwater plumes were identified at the site. Sewers were not considered a preferential pathway ( <a href="#">IT 2001</a> ).

## Notes:

EBS      Environmental baseline survey  
 ERM      Environmental Resources Management  
 IT        International Technology Corporation

### **3.0 COMMUNITY PARTICIPATION**

A community relations plan was developed to document interests, issues, and concerns raised by the community in regard to ongoing investigation and cleanup activities at Alameda Point, and to describe a specific community relations program designed to address community issues and concerns ([Tetra Tech 2003c](#)). The initial plan was prepared in February 1989 and revised in 1996, 1998, 2002, and 2003. The revisions incorporated the most recent assessment of community issues, concerns, and informational needs related to the ongoing environmental investigation and remediation program at Alameda Point.

Community relations are developed at an installation-wide level at Alameda Point, using resources to update and involve the community in all of the IR program activities. The community relations program includes specific activities for obtaining community input and keeping the community informed about all of the IR program sites. These activities include conducting interviews, holding public meetings, issuing fact sheets to provide updates on current investigations and remediation activities, maintaining an information repository where the public can access technical documents and program information, disseminating information to the local and regional media, and making presentations to local community groups.

#### **3.1 RESTORATION ADVISORY BOARD**

In 1993, individuals from local communities began to play an increasingly significant role in the environmental restoration process with the establishment of the Alameda Point Restoration Advisory Board (RAB). Original membership in the board was solicited by the Navy through newspaper notices, including business and homeowners' representatives, residents, local elected officials, and regulatory agency staff.

The RAB currently consists of members of the Navy, the community, and regulatory agencies. The RAB meetings occur monthly and are open to the public. Meetings are held in the evenings after normal working hours at Building 1, Room 140, at 950 West Mall Square at Alameda Point. RAB members review and comment on technical documents

The Alameda Point RAB often forms focus groups in order to review documents or discuss particular issues in depth. At the May 7, 2002 RAB meeting, the group decided to form a focus group to discuss and comment on the Sites 14 and 15 RI report ([Tetra Tech 2002a](#)). The Navy and regulators reported information about Site 15, including the availability of Site 15 documents, to the RAB members during the monthly RAB meetings.

Copies of the RAB meeting minutes and documents describing environmental investigations and removal actions are available at the following Alameda Point information repositories and administrative record file locations:



Alameda Point  
950 West Mall Square  
Building 1, Rooms 240 and 241  
Alameda, California

Alameda Public Library  
2200A Central Avenue  
Alameda, California

Administrative Record  
Naval Facilities Engineering Command,  
Southwest  
937 Harbor Drive, FISC Building 1  
San Diego, California 92132-5190

RAB meeting minutes also are available Navy BRAC Program Management Office website at:  
<http://www.bracpmo.navy.mil>.

### **3.2 PUBLIC MAILINGS**

Public mailings, including information updates, fact sheets, and proposed plans, have been used to ensure an even broader dissemination of information throughout the local community. Information updates announcing the IR program process at Alameda Point have been delivered to residents surrounding Alameda Point and mailed to city, state, and federal officials; agencies; local groups; and individuals identified in the community relations plan since March 1990 ([Tetra Tech 2003c](#)). Updates and fact sheets were mailed to the community to announce significant remediation milestones. These publications have included information concerning the status of environmental investigations, the upcoming remedy selection process, ways the public can participate in the investigation and remediation of Alameda Point, the history and geology of the area, and the availability of the Administrative Record for Alameda Point. The updates, fact sheets, and proposed plans are mailed to approximately 400 households, businesses, public officials, and agencies in an effort to reach as many community members as possible. Updates with information related to Site 15 specifically have been listed in [Table 3-1](#).

In July of 2003, the Navy issued a newsletter to the Alameda community titled “Alameda Point Focus.” The “Alameda Point Focus” gave a description of the CERCLA process and listed information about all of the IR sites. Specifically, the newsletter listed the site name and description for Site 15, the former uses, the environmental remediation accomplishments made to date, and the next steps in the process. The newsletter also provided general information about who to contact for more information and where to access environmental documents ([Tetra Tech 2003b](#)). The July 2003 Alameda Focus was inserted into the Alameda Journal, which is distributed to 24,000 homes in the Alameda area ([Tetra Tech 2003c](#)).

Proposed plans provide an overview of environmental investigation results and remedial alternatives for a site or group of sites. The plan describes each alternative, evaluates each alternative against nine criteria, and identifies the preferred alternative. The proposed plan for Site 15 described the history of Alameda Point and Site 15, summarized previous environmental investigations and results (including ecological risk assessment [ERA] and HHRA results), presented opportunities for public comment, and listed regulatory requirements and how they



have been met ([Tetra Tech 2005](#)). The proposed plan for Site 15 was released to the public on September 28, 2005, for a 30-day public comment period, to provide information and solicit public input on the Navy's recommended action. The proposed plan announced a public meeting and public comment period that allowed community members to discuss the information presented in the proposed plan, ask questions, and submit formal comments. The comments were compiled, reviewed by the BCT, and used to refine the preferred action. The final decisions and responses to comments (known as a "responsiveness summary") are presented in [Attachment D](#).

[Table 3-1](#) summarizes Alameda Point updates, fact sheets, and proposed plans.

### **3.3 COMMUNITY PARTICIPATION**

The RI report for Site 15 was finalized in June 2003, and the proposed plan was released to the public on September 28, 2005. These documents are available to the public at the information repositories maintained at the Alameda Public Library and Alameda Point and at the administrative record file. The information repositories also contain a complete index of the administrative record file, along with information about how to access the complete file at the Naval Facilities Engineering Command, Southwest, San Diego, California.

The 30-day public comment period for Site 15 extended from September 28, 2005 to October 28, 2005. In addition, a public meeting was held on October 19, 2005. A notice of the public comment period and public meeting was published in the Oakland Tribune and Alameda Journal on September 28, 2005.

At the public meeting, the BRAC environmental coordinator and Navy remedial project manager gave presentations on the conditions at Site 15, and representatives from the Navy and environmental regulatory agencies were available to answer questions. A court reporter prepared a transcript of the meeting. Responses to written comments received during the public comment period are included in the responsiveness summary as part of this ROD (see [Attachment D](#)), and the transcript of the meeting is presented in [Attachment C](#).

**TABLE 3-1: SUMMARY OF ALAMEDA POINT FACT SHEETS, NEWSLETTERS,  
AND PROPOSED PLANS RELATED TO SITE 15**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

<b>Fact Sheets</b>	<b>Date</b>	<b>Title</b>
1	March 1990	Fact Sheet 1: Remedial Investigation/Feasibility Study Update
2	September 1990	Fact Sheet 2: Remedial Investigation/Feasibility Study Update
3	May 1991	Fact Sheet 3: Remedial Investigation/Feasibility Study Update
4	March 1993	Fact Sheet 4: Installation Restoration Program Update
5	May 1995	Fact Sheet 5: BRAC Cleanup Plan
6	August 1995	Fact Sheet 6: Waterfront Actions
7	June 1996	Fact Sheet 7: History and Geology
8	December 1996	Fact Sheet 8: Waterfront Actions
<b>Newsletters</b>		
--	July 1, 2003	Alameda Point Focus Environmental July 2003 Newsletter
--	March 1, 2004	Newsletter Regarding the Navy's Environmental Activities at Alameda Point
<b>Proposed Plan</b>		
--	September 28, 2005	Proposed Plan for Site 15, Former Transformer Storage Area

#### **4.0 SCOPE AND ROLE OF OPERABLE UNIT OR RESPONSE ACTION**

Site 15 was grouped into OU-1 because it is a relatively small site that has relatively low levels of contamination that resulted from petroleum, oil, and lubricant releases. It was historically used to store electrical equipment, transformers, and old machinery ([Tetra Tech 2003a](#)). Site 18 was comprised of the basewide storm sewer system; however, it is now being addressed within the individual CERCLA sites where it is located. Therefore, the storm sewer lines within the Site 15 boundaries were addressed by the RI for Site 15. The RI for Site 15 and this ROD were prepared separately from OU-1 to expedite the closure of this no further action for soil and no action for groundwater site.

## 5.0 SITE CHARACTERISTICS

This section summarizes information on the geology, hydrogeology, and the chemicals that are present in the soil and groundwater at Site 15. A complete discussion of sampling locations and methodologies, chemicals detected at each site, nature and extent of contamination, fate and transport, and evaluation of human and ecological risks is presented in the RI ([Tetra Tech 2003a](#)).

### 5.1 GEOLOGY

Alameda Point occupies a depression between two uplifted areas; the Berkeley Hills on the east and the San Bruno and other mountains on the San Francisco Peninsula to the west. The depression and uplifted areas are formed by two subparallel, active faults: the San Andreas and the Hayward Faults. The installation and surrounding San Francisco Bay are underlain by 400 to 500 feet of unconsolidated sediments that overlie the metamorphosed sandstone, siltstone, shale, greywacke, and igneous bedrock, which forms the Franciscan Formation ([Tetra Tech 2003a](#)). The unconsolidated sediments consist of the following five units, from top to bottom: (1) the Bay Mud Formation, (2) the Merritt Sand Formation, (3) the upper unit of the San Antonio Formation, (3) the lower unit of the San Antonio Formation (Yerba Buena Mud), and (4) the Alameda Formation. Surface and near-surface soil at Alameda Point consists of artificial fill emplaced during historical filling of the tidal marshlands and the subtidal area of San Francisco Bay during site development. The fill material consists of sediments that were dredged from the San Francisco Bay and Oakland Inner Harbor and is characterized by sands, clays, and silts dredged from the tidal flats in the region and mixed with material from the Merritt Sand Formation ([Tetra Tech 2003a](#)).

Geologic conditions at Site 15 are inferred to be similar to that of Site 14, located in OU-1 about 1,200 feet to the west along Oakland Inner Harbor ([Tetra Tech 2003a](#)). At both Sites 14 and 15, about 10 feet of artificial fill overlies the Bay Mud Formation, the Holocene estuarine or tidal flat deposits that are the youngest, naturally occurring unit in the vicinity of Alameda Point. The Bay Mud Formation consists of silt and gray to black clay, with laterally discontinuous, poorly graded, silty and clayey sand layers. In the northern portion of Site 14, the Bay Mud Formation is found from about 10 to 40 feet bgs, and the Merritt Sand Formation is present from about 40 to 65 feet bgs. The upper unit of the San Antonio Formation extends to 85 feet bgs, and the Yerba Buena Mud is encountered at 85 feet bgs. In the southern portion of Site 14, the Bay Mud Formation is observed to 70 feet bgs, and an ancient paleochannel has removed the Merritt Sand Formation and Upper San Antonio Formation. The Young Bay Mud sediments that have filled the paleochannel are interbedded silty sands, clayey sands, poorly sorted sands, sandy silts, and sandy clays.

A layer with high organic content, called the “marsh crust,” typically marks the top of the Bay Mud Formation throughout the eastern portion of the installation ([Tetra Tech 2003a](#)). The marsh crust is a layer of contaminated sediment that was formed by the discharge of petroleum waste from two gas plants and an oil refinery. This waste migrated over much of the surface of the surrounding marshlands and was deposited through tidal actions under what would later become the Alameda Annex and the eastern portion of Alameda Point. Further west, at Alameda Point (and Site 15), the waste was deposited on tidal flats now known as the former subtidal area. Fill

material dredged from the Oakland Inner Harbor and surrounding San Francisco Bay was placed on these areas from as early as 1887 to as late as 1975, encapsulating the former subtidal area and marsh crust under the fill.

## **5.2 HYDROGEOLOGY**

There are three hydrogeologic units present in the unconsolidated sediment column beneath Alameda Point. These units have been designated the FWBZ, SWBZ, and the deep aquifer. The FWBZ is encountered in artificial fill and the Bay Sediment Unit. The SWBZ is encountered in the Merritt Sand and Upper San Antonio Formation, and the deep water aquifer is in the Alameda Formation. The Yerba Buena Mud acts as an aquaclude that separates the SWBZ from the deep water aquifer (PRC 1996; Port of Oakland 1998). At Site 15, groundwater in the FWBZ is located within the artificial fill and is encountered between 4 and 6 feet bgs (Tetra Tech 2003a).

Groundwater flow at Alameda Point is highly variable. Seasonal variations are caused from precipitation levels, and diurnal variations are related to tidal cycles. Groundwater flow at Site 15 was observed to be affected by tidal influence during groundwater studies conducted in 1991 (Tetra Tech 2003a). In January 1992, groundwater elevation data collected at Site 15 indicated that groundwater flow was toward the northeast at a gradient of 0.0016. In general, groundwater flows to the north in the direction of the Oakland Inner Harbor.

Groundwater beneath Alameda Point was evaluated for potential beneficial uses in 2000 (Tetra Tech 2000). Guidelines for Groundwater Classification Under the EPA Groundwater Protection Strategy (EPA 1988) are used to classify groundwater as Class I, II, or III. A Class I groundwater is an irreplaceable source of drinking water or is ecologically vital. A Class II groundwater is a current or potential source of drinking water that has other beneficial uses. A Class III groundwater is not a potential source of drinking water and is of limited beneficial use. After consideration of the factors that determine beneficial uses of groundwater and property reuse, the Alameda Point BCT concluded that the groundwater beneath Site 15 is unlikely to be used as a potential drinking water source (Tetra Tech 2003a). The only other possible uses for groundwater below Site 15 would be for watering livestock. Use for crop watering or industrial uses would require costly pretreatment for total dissolved solids (TDS). It is highly unlikely that water below Alameda Point will be used for watering livestock, based on the proposed land uses. In addition, the Water Board has provided the Navy with a letter indicating that the nature and quality of the groundwater in the first and second water-bearing zones beneath Site 15 are such that these waters are not potential sources of drinking water pursuant to State Board Resolution No. 88-63 and Regional Board Resolution 89-39 (Water Board 2003).

## **5.3 NATURE AND EXTENT OF CONTAMINATION IN SOIL AND GROUNDWATER**

Activities associated with known or potential contaminant releases at Site 15 were identified, and environmental investigations were conducted to identify and assess the nature and extent of contaminants in soil and groundwater (see Section 2.2). Building 27, former Buildings 283, 301, and 389, railroad spurs, and storm sewers were all evaluated to assess the extent of chemicals in soil and groundwater (Tetra Tech 2003a).

The chemicals detected in soil include PCBs, SVOCs, PAHs, and metals (see [Table 5-1](#)). Elevated concentrations of a PCB (Aroclor-1260) and lead were identified in soil across Site 15; former Buildings 283, 301, and 389 and open space surrounding them were identified as the source of contaminants ([Tetra Tech 2003a](#)). Buildings 283, 301, and 389 were used to store electrical equipment, oil-filled transformers, and unused machinery, and transformers also were stored on the bare ground in the areas around the buildings.

A CERCLA removal action for PCBs and lead in soil was conducted in 1994 and continued through 1998 based on cleanup levels of 1.0 and 130 mg/kg for PCBs and lead, respectively. The removal action objectives were to (1) mitigate the risk to human health and the environment caused by the potential for exposure to soils with elevated PCB and lead levels, and (2) reduce the potential impacts of soil contaminants on groundwater. As a part of the removal action, 6,600 cubic yards of soil was removed and the area was backfilled with clean soil. A total of 170 confirmation samples were collected during the removal action at Site 15, and PCB, lead, pesticide, SVOC, and metals analyses were conducted on selected samples. These sample results indicated that the clean-up objectives agreed to by the BCT were met. Analytical results for the backfill material (sampled in June and July 1995) associated with the Site 15 removal action did not yield any detections except for metals (see [Table 5-2](#)).

An additional removal action was planned for the site because sample results indicated that elevated concentrations of PCBs and lead may remain in soil in the wetland area of the site. Subsequent to the removal action and in support of an additional removal action, soil samples were collected from the wetland portion of the site and analyzed for PCBs and lead. Sampling locations were staggered on two east-west lines and sampled at 0.5 and 2 feet bgs to fully delineate the PCB contamination. An additional eight confirmation samples were collected at depths of 0.5 and 1 foot bgs from four of the original RI sampling locations with the highest detected Aroclor-1260 concentrations ([Tetra Tech 2003a](#)). Because this additional data confirmed that the clean-up objectives agreed to by the BCT were met, the additional removal action was not conducted.

In addition to PCBs, PAHs were identified in soil ([Tetra Tech 2003a](#)). A PAH investigation was conducted in 2005, to obtain PAH analytical data for soil that are acceptable for risk assessment because detection limits for historical PAH data were elevated. Based on these data, PAH concentrations in soil, expressed as B(a)P equivalents, are below 1.0 mg/kg with the average concentration below the screening level of 0.62 mg/kg. The Navy and the agencies established the screening criterion of 0.62 mg/kg, which is the midpoint of the risk management range, for PAHs in soil at Alameda Point during a meeting in May 2001 ([Navy 2001](#)). PAHs are possibly associated with the fill material from the San Francisco Bay used to create the installation or a railroad that was present before the site became a naval air station. They were not associated with Navy activities conducted at Site 15.

Based on the environmental investigations conducted, chemicals detected in groundwater include metals and one VOC (see [Table 5-3](#)). The results of the investigations indicated that no groundwater plumes are present in Site 15, and the storm sewers are in sound condition, are not considered a source of contaminants, and do not provide a potential preferential pathway for contaminant migration ([Tetra Tech 2003a](#)).

**TABLE 5-1: CHEMICALS REPORTED IN SOIL POST REMOVAL ACTION<sup>1</sup>**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Analyte	Frequency of Detections	Range of Concentrations	Detection Limit	Background <sup>3</sup> (yes/no)
<b>Polychlorinated Biphenyls (µg/kg)</b>				
4,4'-DDD	4%	5.1 to 150	3.4 to 190	NA
4,4'-DDT	6%	2.2 to 380	3.4 to 190	NA
Alpha-chlordane	1%	7.7 to 7.7	1.7 to 98	NA
Gamma-chlordane	1%	7.6 to 7.6	1.7 to 98	NA
Aroclor-1260 <sup>2</sup>	56%	7.4 to 2,700	34 to 610	NA
Endrin	1%	3.9 to 3.9	3.35 to 190	NA
Endrin aldehyde	2%	9.5 to 19	3.4 to 190	NA
<b>Semi-Volatile Organic Compounds (µg/kg)</b>				
2-Methylnaphthalene	2%	57 to 57	100 to 2,000	NA
Acenaphthylene	12%	36 to 220	80 to 2,000	NA
Carbazole	14%	44 to 370	340 to 2,000	NA
Dibenzofuran	2%	250 to 250	120 to 2,000	NA
Fluoranthene	35%	19 to 7,200	85 to 2,000	NA
Fluorene	9%	28 to 260	80 to 2,000	NA
Pentachlorophenol	2%	420 to 420	500 to 4,900	NA
Phenanthrene	20%	33 to 3,200	85 to 2,000	NA
Pyrene	42%	18 to 4,300	85 to 2,000	NA
<b>Polynuclear Aromatic Hydrocarbons (µg/kg)</b>				
Benzo(a)pyrene equivalent <sup>4</sup>		9 to 752	NA	NA
<b>Metals (mg/kg)</b>				
Aluminum	100%	2,380 to 14,100	--	yes
Antimony	25%	0.71 to 6	0.43 to 6.9	yes
Arsenic	82%	1.2 to 19.8	0.63 to 2.3	yes
Barium	100%	13.2 to 290	--	no
Beryllium	29%	0.15 to 0.912	0.1 to 0.42	yes
Cadmium	24%	0.06 to 1.9	0.04 to 2	yes
Calcium	100%	94.4 to 32,900	--	yes
Chromium	100%	17 to 128	--	no
Cobalt	64%	3.25 to 10.9	0.91 to 5.4	yes
Copper	73%	2.89 to 24.9	3.2 to 16.5	no
Iron	100%	5,050 to 24,200	--	yes
Lead <sup>2</sup>	99%	1.5 to 954	0.98 to 0.98	no
Magnesium	100%	1,200 to 7,000	--	yes
Manganese	100%	39.5 to 282	--	yes
Mercury	23%	0.058 to 1.7	0.048 to 0.23	yes
Nickel	100%	13 to 52.5	--	no
Potassium	65%	451 to 2,400	359 to 999	yes
Selenium	5%	0.76 to 1.2	0.206 to 1.9	yes
Silver	9%	0.307 to 1.01	0.082 to 1.4	yes
Sodium	84%	56.9 to 16,300	79 to 117	yes
Thallium	13%	6.1 to 10.1	0.265 to 1.4	no
Vanadium	100%	13.5 to 45.4	--	yes
Zinc	100%	10.2 to 399	--	no

## TABLE 5-1: CHEMICALS REPORTED IN SOIL POST REMOVAL ACTION (Continued)

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

### Notes:

- 1 Does not include data from quality control samples.
- 2 Subsequent sampling to delineate the contamination showed that soil concentrations are below action levels.
- 3 A "yes" indicates the metal in soil at the site is attributed to background.
- 4 Based on 2005 data.

µg/kg microgram per kilogram  
DDD Dichlorodiphenyldichloroethane  
DDT Dichlorodiphenyltrichloroethane  
mg/kg milligram per kilogram  
NA Not applicable  
-- Not available



**TABLE 5-2: METALS IN SITE 15 BACKFILL MATERIAL**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

<b>Metal</b>	<b>Concentration (mg/kg)</b>	<b>Detection Limit (mg/kg)</b>
Arsenic	3.1	0.26
Barium	10.0	0.52
Beryllium	0.19	0.10
Cadmium	0.45	0.052
Chromium (total)	25.0	0.52
Cobalt	5.0	1.0
Copper	3.9	0.52
Lead	4.0	0.16
Nickel	24.0	1.0
Vanadium	16.0	0.52
Zinc	15.0	1.0

Note:

mg/kg      milligram per kilogram

**TABLE 5-3: CHEMICALS REPORTED IN GROUNDWATER**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Analyte	Frequency of Detections	Range of Concentrations <sup>1</sup>		Detection Limit		Background <sup>2</sup> (yes/no)
Dissolved Metals (µg/L)						
Antimony	20%	12.6	to 25.5	2.2	to 25.1	yes
Arsenic	20%	3.3	to 3.5	3.4	to 13	yes
Barium	100%	71.8	to 390	--		yes
Beryllium	14%	5.9	to 5.9	0.8	to 4.4	yes
Cadmium	14%	3	to 3	0.3	to 0.8	yes
Calcium	100%	46,700	to 1,180,000	--		yes
Chromium	43%	8.5	to 36.4	0.8	to 1.6	yes
Cobalt	14%	78.8	to 78.8	5.6	to 26.4	yes
Copper	29%	38.8	to 44.5	4.1	to 10.6	yes
Iron	100%	8.2	to 4,150	--		yes
Lead	10%	1.7	to 1.7	1	to 6	yes
Magnesium	100%	19,000	to 2,240,000	--		yes
Manganese	100%	11.1	to 23,500	--		yes
Nickel	10%	95.6	to 95.6	9.3	to 65.2	yes
Potassium	100%	22,600	to 244,000	--		yes
Selenium	10%	9.6	to 9.6	2.1	to 13.5	yes
Sodium	100%	136,000	to 13,200,000	--		yes
Vanadium	20%	4.7	to 12	4.2	to 27.2	yes
Zinc	50%	4.8	to 210	2.3	to 16	yes
Volatile Organic Compounds (µg/L)						
Carbon Disulfide	15%	3	to 12	1	to 1	yes

## Notes:

- Concentrations in groundwater are based on direct push and monitoring well data. Although Site 15 is not considered a source of drinking water, concentrations of background metals detected in groundwater monitoring wells at the site are below maximum contaminant limits (with the exception of sporadic, slight exceedances). Based on the risk assessment, incremental site risk (excluding background metals) is below  $10^{-6}$ ; therefore, no action is appropriate for groundwater.
- A "yes" indicates the metal in soil at the site is attributed to background.

µg/L      microgram per liter  
 NA        Not applicable  
 --        Not available

## 6.0 CURRENT AND POTENTIAL FUTURE SITE AND RESOURCE USES

This section discusses (1) current and reasonably anticipated future land uses and (2) current and potential groundwater and surface water uses. This information was incorporated into the development of exposure scenarios for the HHRA.

### 6.1 LAND USES

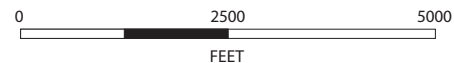
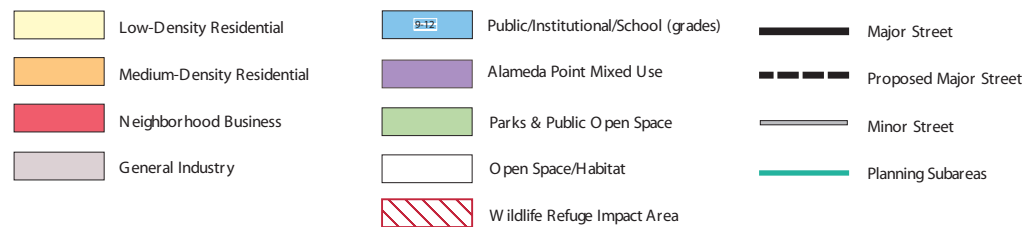
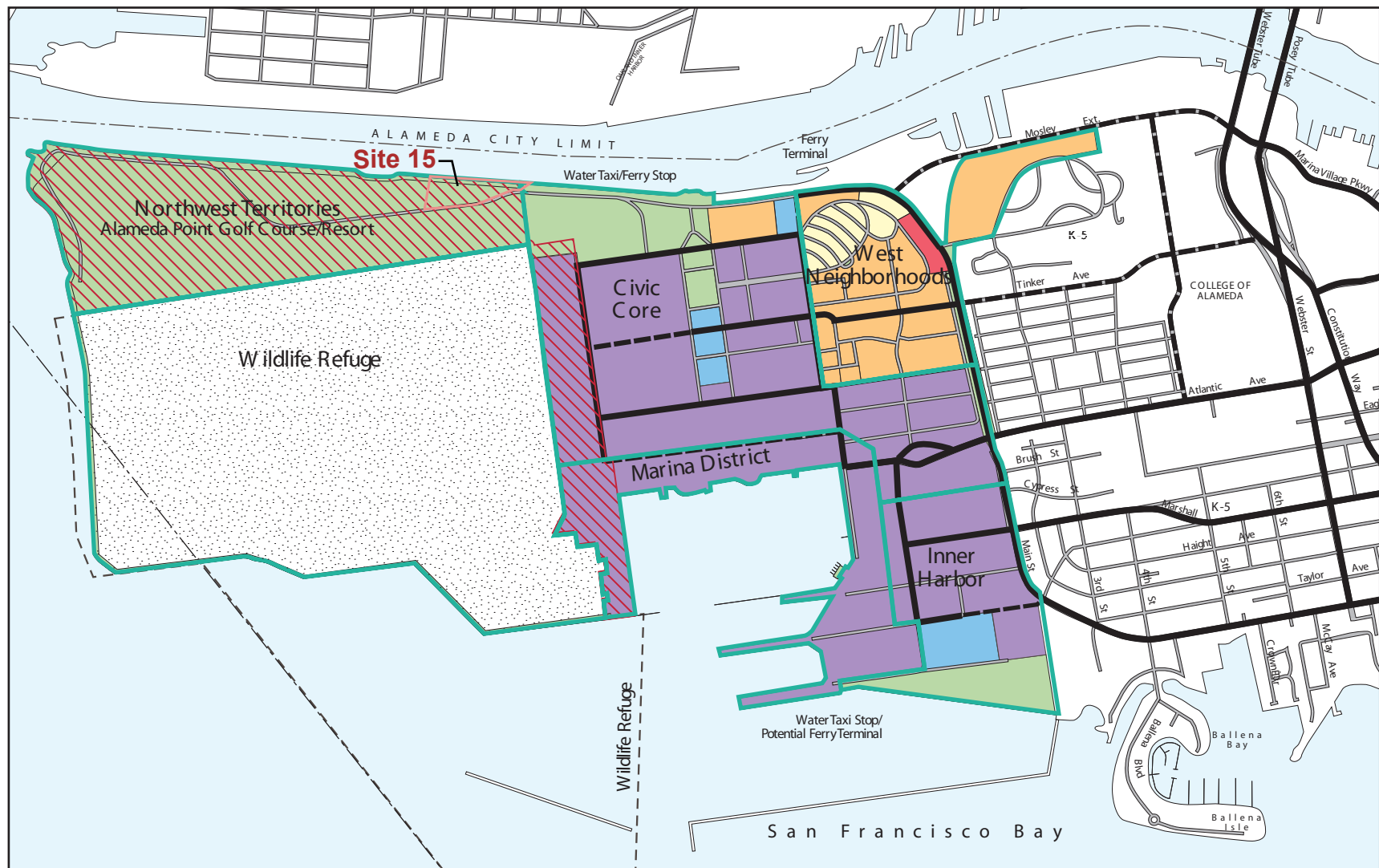
Currently, Site 15 is an IR site at Alameda Point, which is under the jurisdiction of the Navy. Site 15 consists of six unpaved acres, one building (Building 27), and approximately 1 acre of wetland. Eventually, Site 15 will be transferred to a non-Federal entity.

Site 15 is located in the Northwest Territories (see [Figure 6-1](#) and [Table 6-1](#)), which is located on the northwestern tip of Alameda Point. According to the Alameda Point general plan amendment ([City of Alameda 2002](#)), potential redevelopment of the Northwest Territories includes parks, public open space, a regional park, a golf course, and a trail system. The reasonably anticipated future land use for Site 15 is recreational, possibly a golf course.

### 6.2 GROUNDWATER USES

After consideration of the factors that determine beneficial uses of groundwater and property reuse, the Alameda Point BCT concluded that the groundwater beneath Site 15 is unlikely to be used as a potential drinking water source ([Tetra Tech 2003a](#)). The only other possible uses for groundwater below Site 15 would be for watering livestock. Use for crop watering or industrial uses would require costly pretreatment for TDS. It is highly unlikely that water below Alameda Point will be used for watering livestock, based on the proposed land uses. In addition, the Water Board has provided the Navy with a letter indicating that the quality and nature of groundwater in the first and second water bearing zones beneath Alameda Point west of Saratoga Street are such that these waters are not potential sources of drinking water pursuant to State Board Resolution number 88-63 and Regional Board Resolution 89-39 ([Water Board 2003](#)).

Site 15 does not have naturally occurring surface streams or ponds; however, it is bounded to the north by the Oakland Inner Harbor. Site 15 has approximately 1 acre of wetland located on the northern portion of the site between the north fence line of the site and extends to the riprap wall adjacent to Oakland Inner Harbor. The wetland provides minimal habitat to support plant and invertebrate populations and is tidally inundated at such a frequency as to not provide suitable habitat for small mammals ([Tetra Tech 2003a](#)).



### Alameda Point, Alameda, CA

U.S. Department of the Navy, BRAC PMO West, San Diego, California

**FIGURE 6-1**  
**ALAMEDA POINT REUSE MAP**  
 Operable Unit 1 Site 15  
 Record of Decision, Alameda Point

**TABLE 6-1: CURRENT AND PROPOSED LAND USES**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

<b>Site</b>	<b>Current Land Uses or Land Use Prior to Closure</b>	<b>Proposed Future Land Use</b>	<b>Reuse Parcel No.</b>
15	Vacant	Recreational area or golf course	PBC-1B and EDC 16

## Notes:

PBC    Public benefit conveyance  
EDC    Economic development conveyance

## 7.0 SUMMARY OF SITE RISKS

As part of the RI, a HHRA and an ERA were conducted for Site 15 using data collected during the RI, EBS, and removal action. The objective of the risk assessments was to estimate the risks to human and ecological receptors from exposure to chemicals in soil and groundwater at the site. The HHRA was performed as a baseline risk assessment, and the ERA was performed as a modified screening-level risk assessment. Detailed results of the Site 15 risk assessments are presented in the “Final Remedial Investigation Report Sites 14 and 15, Alameda Point” ([Tetra Tech 2003a](#)).

The HHRA for Site 15 identified chemicals of potential concern (COPCs) in soil and groundwater, evaluated exposure scenarios based on possible future land uses, assessed toxicity, and calculated cancer and noncancer health risks based on conservative assumptions. Calculated risks were then compared with federally established risk ranges. Details of the HHRA methodology and the fate and transport analyses are provided in Section 3.4.2.1 and Appendix G of the RI report for Sites 14 and 15 ([Tetra Tech 2003a](#)).

The ERA conducted for Site 15 identified the chemicals of potential ecological concern (COPECs) in soil and groundwater, evaluated exposure scenarios based on possible future land uses, assessed toxicity, and characterized potential risks to plants and animals by calculating risks from background metals and installation activities based on conservative assumptions. Calculated risks were then compared with reference values. Details of the ERA methodology and the fate and transport analyses are provided in Section 3.4.2.2 and Appendix H of the RI report for Sites 14 and 15 ([Tetra Tech 2003a](#)).

[Section 7.1](#) discusses the approach used for the HHRA, including the identification of contaminants, the assumptions used in the various exposure scenarios, the estimation of doses, and the method used to characterize risk, and the results. [Section 7.2](#) discusses the approach and results used for the ERA.

### 7.1 BASELINE HHRA APPROACH

The baseline HHRA approach and the results are discussed below.

#### 7.1.1 Identification of Chemicals of Potential Concern

The methodology used to identify COPCs and evaluate risk is consistent with the EPA’s “Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A, Interim Final” ([EPA 1989](#)) and agreements made during meetings with EPA and DTSC ([Tetra Tech 2003a](#)). DTSC, Water Board, and EPA Region 9 regional policy positions also were incorporated into the risk assessments.

The site boundaries were used to define the soil exposure area ([Tetra Tech 2003a](#)). Soil data for each site were aggregated in depth intervals of 0 to 2 and 0 to 10 feet bgs for residential

receptors, 0 to 2 feet bgs for recreational and occupational receptors, and 0 to 10 feet bgs for construction workers. Groundwater data were aggregated by plume. In general, the data were collected and analyzed in accordance with the EPA's Contract Laboratory Program procedures, and detection limits (sample quantitation limits) were sufficiently low to permit identification of potential health risks. Data were validated with respect to laboratory blanks, quality control samples, and qualifiers by independent validators. Field data and screening level data were not used in this HHRA.

## **7.1.2 Exposure Assessment**

An exposure assessment identifies the populations at potential risk and the mechanisms by which members of those populations could be exposed to the COPCs in each medium. It is also a process by which the chemical concentrations at the point of exposure and the chemical doses are calculated.

Reuse of Site 15 is expected to be recreational and occupational. In addition to evaluating recreational and occupational exposure scenarios, the HHRA for Site 15 also evaluated residential and construction worker exposure scenarios ([Tetra Tech 2003a](#)) (see [Table 7-1](#)). The residential scenario is considered to be the most conservative and the least likely scenario at the site. The exposure assumptions for each of these scenarios are summarized below.

### **7.1.2.1 Residential Scenario**

COPCs in soil from 0 to 10 feet bgs were treated as being available to the resident ([Tetra Tech 2003a](#)). This is because soil could be excavated to 10 feet for basement and swimming pool construction and some soil from the subsurface may be left on the surface. Water used in the home is assumed to come from a private well that draws water from the shallow aquifer beneath the site, even though it is unlikely that anyone would install a private well to obtain water for home use (due to the high TDS content, the low yield, and the availability of municipal drinking water). The Alameda Point BCT concluded that the groundwater beneath Site 15 is unlikely to be used as a potential drinking water source. Consequently the groundwater is not reasonably expected to serve as a public drinking water supply.

Potential exposure pathways for soil include incidental ingestion of soil, dermal contact with soil, inhalation of particulates from soil, inhalation of VOCs in ambient and indoor air, and ingestion of homegrown produce ([Tetra Tech 2003a](#)). Potential exposure pathways for domestic use of groundwater include ingestion of groundwater, dermal contact with groundwater, and inhalation of vapors while bathing. The residential receptor was assumed to live on the site for 30 years and age adjusted averaging was used for ingestion rates, inhalation rates, and dermal exposure to account for differences in children and adults.

#### **7.1.2.2 Occupational Scenario**

If a site is redeveloped for commercial business, the individuals most likely exposed would be owners and employees of the businesses. An occupational scenario was chosen to represent business owners and employees ([Tetra Tech 2003a](#)). Under the occupational scenario, COPCs in the upper 2 feet of soil are considered to be available. Potential exposure pathways include incidental soil ingestion, dermal contact with soil, inhalation of particulates from soil, and inhalation of VOCs in ambient and indoor air. Groundwater pathways are considered incomplete for the occupational scenario. The occupational receptor was assumed to use the site for 25 years with 2 weeks off per year.

#### **7.1.2.3 Recreational Scenario**

Activity patterns for recreational receptors were based on site-specific information and the assumption that recreational activities are those related to a community park. A community park is assumed to be used more frequently by the same people than a regional or national park, given its proximity to homes and offices. Recreational activities may consist of jogging, walking, and picnicking.

Under the recreational scenario, COPCs in the upper 2 feet of soil are considered to be available ([Tetra Tech 2003a](#)). Potential exposure pathways include incidental soil ingestion, dermal contact with soil, inhalation of particulates from soil, and inhalation of VOCs in ambient air. Groundwater pathways are considered incomplete for the recreational scenario. The recreational receptor was assumed to use the site for 2.5 hours per day for 30 years, and age adjusted averaging was used for ingestion rates, inhalation rates, and dermal exposure to account for differences in children and adults.

#### **7.1.2.4 Construction Worker Scenario**

Under the construction worker scenario, COPCs in soil from 0 to 10 feet bgs are treated as being available to an adult worker ([Tetra Tech 2003a](#)). Potential exposure pathways include incidental soil ingestion, dermal contact with soil, inhalation of particulates from soil, inhalation of vapors in ambient air. Groundwater pathways are considered incomplete for the construction worker. Although construction workers may have transient dermal contact with groundwater, this exposure was considered insignificant due to the very short duration and limited extent expected. The construction worker was assumed to use the site for 8 hours per day for 100 days.

### **7.1.3 Toxicity Assessment**

The toxicity assessment focuses on the toxicity of COPCs. Qualitative and quantitative toxicity values and EPA- and DTSC-derived toxicity values were gathered for all Site 15 COPCs ([Tetra Tech 2003a](#)). Detailed toxicity profiles were also prepared. Sources of toxicity values include Integrated Risk Information System (IRIS) ([EPA 2002](#)); Health Effects Assessment Summary Tables (HEAST) ([EPA 1997a](#)); Superfund Technical Support Center (STSC), EPA Region 9



preliminary remediation goals (EPA 2000); and California Environmental Protection Agency Office of Environmental Health Hazard Assessment (OEHHA) (OEHHA 2002). Toxicity equivalency factors for dioxins and PAHs from EPA and DTSC were used to adjust toxicity values for those chemicals relative to 2,3,7,8-tetrachlorodibenzodioxin and B(a)P, respectively.

IRIS is a computerized EPA database containing verified toxicity values and up-to-date human health toxicological and EPA regulatory information for most commonly used chemicals. HEAST is a source of nonverified provisional toxicity information that was used when toxicity information was not available from IRIS. STSC, a division of the National Center for Environmental Assessment (a department of EPA's Environmental Criteria and Assessment Office) provides provisional toxicity information on a chemical-specific basis for chemicals not listed in either IRIS or HEAST. Per EPA guidance (EPA 1989), STSC was contacted for information on any chemical lacking a toxicity value from IRIS or HEAST. Carcinogenic and noncarcinogenic toxicity values for some chemicals are available from OEHHA. These values are sometimes identical to EPA values, as indicated in the toxicity tables. OEHHA toxicity values were only used in risk calculation based on DTSC assumptions.

#### **7.1.4 Risk Characterization**

The final step in the HHRA is the characterization of the potential risks associated with exposure to detected chemicals. Risk characterization combines the exposure and toxicity assessments to produce quantitative estimates of risk from COPCs. Chemicals might present noncancer health effects in addition to cancer risks; therefore, the potential for both types of effects are evaluated. Noncancer health hazards and cancer risks are characterized separately.

It is important to note that the noncancer hazard index (HI) is estimated differently than lifetime cancer risk. Noncancer effects manifest over a specific time period, and once the exposure period is over, the hazard has also passed (that is, no latency is assumed). A HI of 1 or less is set as protective of non-cancer health hazards.

Excess lifetime cancer risks are probabilities generally expressed in scientific notation (for example,  $1 \times 10^{-6}$  or  $1 \text{E-}6$ ). An excess lifetime cancer risk of  $1 \times 10^{-6}$  indicates that, as a plausible upper bound, an individual has a one in a million probability of developing cancer as a result of site-related exposure to a carcinogen over a 70-year lifetime under the specific exposure conditions at a site. To assist with the characterization of cancer risks, a federally established risk management range was developed to protect human health and help risk managers determine whether site risks are significant enough to warrant cleanup. Guidelines for managing cancer risks are promulgated in the NCP (Title 40 *Code of Federal Regulations* 300.430[e][2][i][A][2]). According to these regulations, when the cumulative excess cancer risk (incremental risk) is above  $10^{-4}$  action is generally warranted, and when excess cancer risks are within the risk management range from  $10^{-6}$  to  $10^{-4}$ , site-specific factors are considered when making decisions about whether action is required.

The HHRA results for soil and groundwater are presented in [Table 7-2](#). Total cancer risks to recreational, occupational, and construction workers at Site 15, which include risk from background metals, are at the lower end of the risk management range, and the noncancer HIs are less than 1. Cancer risk to a resident at Site 15 is slightly above the risk management range and the noncancer HI is above 1; however, this exceedance of the risk management range is attributed to background metals. The incremental risk is below a cancer risk of  $10^{-6}$  and the noncancer HI is less than 1.

[Section 7.1.4.1](#) discusses how contaminants that drive the risk at the site were determined, and [Section 7.1.4.2](#) discusses risk due to background concentrations of metals.

#### **7.1.4.1 Risk Drivers**

Cancer and noncancer risk drivers were identified for Site 15. A risk driver is defined as a COPC that has one or more of the following characteristics:

- An individual cancer risk estimate exceeding  $1 \times 10^{-6}$
- A cancer risk estimate that is less than  $1 \times 10^{-6}$  but that, when combined with other COPCs with cancer risk estimates less than  $1 \times 10^{-6}$ , causes the sum of the cancer risk estimates to exceed  $1 \times 10^{-6}$
- An HI greater than 1
- An HI that is less than 1 but that, when combined with COPCs with the same mechanisms of toxic action and HIs also less than 1, causes the sum of the HIs to be greater than 1

Carcinogenic risk drivers for the residential scenario include arsenic and PAHs (B[a]P and dibenzo[a,h]anthracene) in soil and arsenic in groundwater ([Tetra Tech 2003a](#)). Noncancer risk drivers for the residential scenario include aluminum, arsenic, and manganese in soil, and arsenic, barium, and manganese in groundwater. Aluminum, arsenic and manganese in soil and arsenic, barium and manganese in groundwater were attributed to background.

PAHs are possibly associated with the fill material from the San Francisco Bay used to create the installation or to build a railroad track that was present before the site became a naval air station ([Tetra Tech 2003a](#)). They were not associated with Navy activities at Site 15.

#### **7.1.4.2 Incremental Risk**

Metals are natural components of the earth's crust. Some of the metals are carcinogenic and some are systemic toxicants that have noncancer health effects, such as arsenic, which can pose both cancer and noncancer risks. Metals can present risks at naturally occurring (background) concentrations. Human-caused releases of the metals that are already common in the

environment do not create a new exposure risk; however, they could increase the existing exposure risk. This increased risk is called “incremental risk.” The incremental risk for a site is estimated by subtracting the risk from background metals from the total site risk.

Data sets of background metal concentrations were compiled for soil and groundwater at Alameda Point and were compared to the data sets that were compiled to represent metal concentrations in soil and groundwater at Site 15 ([Tetra Tech 2003a](#)). This comparison, along with additional evaluations, was used to determine which metals in soil and groundwater were detected at concentrations greater than background. The following metals in soil were not attributed to background: barium, chromium, copper, lead, nickel, thallium, and zinc. All metals in groundwater were attributed to background.

The total risks presented in [Table 7-2](#) include risk from background metals. The risk from background metals to a resident is also presented in [Table 7-2](#); this background risk is virtually equivalent to the total site risk. Based on the low levels of incremental contamination, when risk to background metals is removed, no further remedial action for soil and no action for groundwater is necessary at Site 15 to protect human health. In addition, the following conditions that also support no action are present for soil and groundwater at Site 15:

- Risk from soil alone, including background metals, is within the risk management range, and the noncancer HI is below 1.
- The average concentration of aluminum in soil at the site is 5,683 mg/kg, compared to the residential preliminary remediation goal (PRG) of 76,000 mg/kg ([EPA 2004](#)).
- The average concentration of arsenic in soil at the site is 4.7 mg/kg, which is at the lower end of the range of concentrations typically seen in the San Francisco Bay Area ([Navy 2002](#)).
- The average concentration of manganese in soil at the site is 132 mg/kg, compared to the residential PRG of 1,800 mg/kg ([EPA 2004](#)).
- Arsenic in groundwater was only detected in two out of 10 samples, and the average concentration at the site is 3.4 micrograms per liter (µg/L).
- The average concentration of barium in groundwater at the site is 209 µg/L, compared to the PRG of 2,600 µg/L ([EPA 2004](#)).
- Based on monitoring well data collected near the Oakland Inner Harbor, the maximum concentration of manganese is 1,300 µg/L, and these concentrations are attributed to seawater intrusion.

## **7.2 SCREENING-LEVEL ERA APPROACH**

Because of the limited habitat, site-specific ecological sampling to support a baseline ERA is not feasible. Also, future land use would not result in additional habitat, and it is unlikely that

ecological receptors would use the site in any significant manner. Therefore, a modified screening-level ERA was conducted. This ERA methodology is consistent with EPA guidance for screening-level and baseline ERAs and with Navy guidance for ERAs ([EPA 1997b](#); [Navy 1999](#)). The modified screening-level ERA approach and results are discussed below.

The modified screening-level ERA is intended to be a conservative estimate, using more realistic exposure parameters for the ecological endpoints defined than would typically be used for a screening-level ERA. The methodology used is consistent with EPA guidance for screening-level and baseline risk assessment, as well as Navy ERA guidance ([EPA 1997b](#); [Navy 1999](#)). Neither pesticides nor PCBs were detected in groundwater at Site 15, and carbon disulfide was the only VOC with a detection frequency greater than 10 percent (15 percent). Therefore, Site 15 groundwater was not evaluated in the ERA. Using a fully exposed soil scenario, the following complete terrestrial exposure pathways for Site 15 were evaluated:

- Direct exposure to soil
- Food chain exposure

Unlike the HHRA, which evaluates only one species, the ERA involves multiple species with different degrees of exposure and toxicological responses. The ERA identified the following assessment endpoints:

- Sufficient rates of survival, growth, and reproduction to sustain small mammal populations typical to the area
- Sufficient rates of survival, growth, and reproduction to sustain passerine populations typical to the area
- Sufficient rates of survival, growth, and reproduction to sustain raptor populations typical to the area
- Sufficient rates of survival, growth, and reproduction to sustain marine populations typical to the area

Because assessment endpoints are usually not amenable to direct measurement, the following measurement endpoints were developed:

- Reproductive or physiological impacts to the California ground squirrel (*Citellus beecheyi*), as indicated by hazard quotients (HQ) developed based on both high (lowest observed adverse effect level [LOAEL]-based) and low (no observed adverse effects level [NOAEL]-based) toxicity reference values (TRV)
- Reproductive or physiological impacts to the Alameda song sparrow (*Melospiza melodia pusillula*), as indicated by HQs developed based on both high (LOAEL-based) and low (NOAEL-based) TRVs

- Reproductive or physiological impacts to the red-tailed hawk (*Buteo jamaicensis*), as indicated by HQs developed based on both high (LOAEL-based) and low (NOAEL-based) TRVs

The ERA for soil at Site 15, with all factors considered, indicates low to no significant risk to ecological endpoints present at the site. This assessment is based on such factors as background concentrations at Alameda Point, absorption potential of the constituent, and frequency of detection and concentration detected at Site 15. Based on the ERA, no further action for soil and groundwater at Site 15 is necessary to protect the environment.

**TABLE 7-1: EXPOSURE SCENARIOS FOR THE HHRA**

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Site	Exposure Scenario				Proposed Future Land Use
	Residential	Occupational	Recreational	Construction Worker	
15	X	X	X	X	Recreational and occupational

Note:

HHRA Human health risk assessment

## TABLE 7-2: SUMMARY OF SITE 15 HUMAN HEALTH RISK ASSESSMENT RESULTS

Operable Unit 1 Site 15 Record of Decision, Alameda Point, Alameda, California

Exposure Scenarios		Cancer	Noncancer HI
<b>Surface Soil (0 to 2 feet bgs) and Groundwater</b>			
<b>Residential</b>	Total, including background <sup>1</sup>	$2 \times 10^{-4}$	2
	Background	$2 \times 10^{-4}$	2
	Incremental <sup>2</sup>	Less than $10^{-6}$	Less than 1
<b>Occupational</b>	Total, including background	$7 \times 10^{-6}$	0.1
<b>Recreational</b>	Total, including background	$6 \times 10^{-6}$	0.04
<b>Subsurface Soil (0 to 10 feet bgs) and Groundwater</b>			
<b>Residential</b>	Total, including background <sup>1</sup>	$1 \times 10^{-4}$	2
	Background	$1 \times 10^{-4}$	2
	Incremental <sup>2</sup>	Less than $10^{-6}$	Less than 1
<b>Construction Worker</b>	Total, including background	$3 \times 10^{-7}$	0.2

Notes:

1 Risk from soil is within the risk management range and the noncancer HI is below 1.

2 Remediation is generally warranted when the cumulative excess cancer risk (incremental risk) exceeds  $10^{-4}$

bgs Below ground surface

HI Hazard index

## **8.0 DESCRIPTION OF NO FURTHER ACTION ALTERNATIVE**

The Navy has determined that Site 15 does not pose an unacceptable risk to human health or the environment based on the results of the EBS, RI, removal action field investigations, and HHRA and ERA. Accordingly, no further remedial action for soil and no action for groundwater are appropriate for Site 15. The Navy's selection of no further action for soil and no action for groundwater reflects the determination that site-specific releases do not represent a threat to human health or to the environment.



## **9.0 DOCUMENTATION OF SIGNIFICANT CHANGES**

The proposed plan for Site 15 was released for public comment in October 2005 ([Tetra Tech 2005](#)). The proposed plan identified no further action for soil and no action for groundwater as the appropriate response for the site. The Navy has reviewed all written and oral comments submitted during the public comment period and determined that no significant changes to the selected remedial action of no further action for soil and no action for groundwater were necessary or appropriate.

## 10.0 REFERENCES

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**ATTACHMENT A**  
**ADMINISTRATIVE RECORD INDEX**

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## ALAMEDA POINT NAS

## DRAFT ADMINISTRATIVE RECORD FILE INDEX - UPDATE (SORTED BY RECORD DATE/RECORD NUMBER)

## DOCUMENTS RELATED TO SITE 15

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000194 PROJECT NAV-112B RPT NONE 00015	11-24-1999 <b>02-01-1986</b> NONE 00.0	WAHLER ASSOCIATES  NAVFAC - EFA WEST	DRAFT CONFIRMATION STUDY - ADDITIONAL TESTING BUILDINGS 301 AND 389	ADMIN RECORD		015 BLDG. 301 BLDG. 389	CHOICE IMAGING SOLUTIONS 181-03-0179 10 OF 46 SW06032301 41074200
N00236 / 000643 TC.A021.10075 MM N68711-00-D-0005 00008	06-13-2003 <b>02-02-1993</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	MEETING MINUTES FOR THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY 02 FEBRUARY 1993 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS	001 002 003 007A 015 018 PHASE 1 PHASE 2A PHASE 2B PHASE 3 PHASE 5 PHASE 6	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 000644 TC.A021.10075 MM N68711-00-D-0005 00009	06-13-2003 <b>02-19-1993</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	MONTHLY PROGRESS REVIEW COMMITTEE MEETING MINUTES FOR THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY 19 FEBRUARY 1993 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS	001 002 007A 015	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000647 TC.A021.10075 MM N68711-00-D-0005 00005	06-13-2003 <b>05-12-1993</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	MONTHLY PROGRESS REVIEW MEETING MINUTES FOR THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY 12 MAY 1993 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS	007A 015 PHASE 2A PHASE 2B PHASE 3 PHASE 5 PHASE 6	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 000653 TC.A021.10075 MM N68711-00-D-0005 00004	06-13-2003 <b>09-22-1993</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	MONTHLY PROGRESS REVIEW MEETING MINUTES FOR THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY 22 SEPTEMBER 1993 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS	007A 015 PHASE 2A PHASE 2B PHASE 3 PHASE 5 PHASE 6	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 000654 TC.A021.10075 MM N68711-00-D-0005 00007	06-13-2003 <b>10-06-1993</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	TECHNICAL REVIEW COMMITTEE MEETING MINUTES FOR THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY 06 OCTOBER 1993 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS	007A 015	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 000860 NONE RPT N62474-88-D-5086 00020	11-24-1999 <b>12-02-1993</b> 00258 00.0	PRC ENVIRONMENTAL MGMT INC.  NAVFAC - EFA WEST	DRAFT REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) INTERIM REMEDIAL ACTION (IRA) SITE 15 BUILDINGS 301 AND 389 TRANSFORMER STORAGE AREA FIELD INVESTIGATION WORK PLAN (WP)	ADMIN RECORD INFO REPOSITORY	RA RI/FS WP	015 BLDG. 301 BLDG. 389	CHOICE IMAGING SOLUTIONS 181-03-0179 27 OF 46 SW06030904 41074200

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N00236 / 000898 EFAW SER T42GK/L4058 CORRESP NONE 00002	11-24-1999 <b>12-06-1993</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA DISTRIBUTION	SUBMISSION OF DRAFT FIELD INVESTIGATION WORK PLAN (WP) INTERIM REMEDIAL ACTION (IRA) SITE 15 (W/OUT ENCLOSURE) [SEE AR #860 - DRAFT FIELD INVESTIGATION WORK PLAN]	ADMIN RECORD INFO REPOSITORY	IRA WP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 28 OF 46 SW06030904 41074200
N00236 / 000895 NONE COMMENTS NONE 00003	11-24-1999 <b>12-14-1993</b> NONE 00.0	CA DEPARTMENT OF FISH AND GAME J. TURNER NAVFAC - EFA WEST G. KIKUGAWA	COMMENTS ON THE FIELD INVESTIGATION WORK PLAN (WP), INTERIM REMEDIAL ACTION (IRA) SITE 15, BUILDING 301 AND BUILDING 389, TRANSFORMER STORAGE AREA	ADMIN RECORD	IRA WP	015 BLDG. 301 BLDG. 389	CHOICE IMAGING SOLUTIONS 181-03-0179 28 OF 46 SW06030904 41074200
N00236 / 000869 NONE COMMENTS NONE 00001	11-24-1999 <b>12-16-1993</b> NONE 00.0	COMMUNITY ADVISORY COMMITTEE R. HOUGH NAVFAC - EFA WEST G. KIKUGAWA	COMMENTS ON THE DRAFT FOLLOW-ON SAMPLING PLAN (FSP) FOR SITE 15 OF DECEMBER 2	ADMIN RECORD	FSP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 27 OF 46 SW06032301 41074200
N00236 / 000896 NONE COMMENTS NONE 00001	11-24-1999 <b>12-16-1993</b> NONE 00.0	COMMUNITY ADVISORY COMMITTEE R. HOUGH NAVFAC - EFA WEST G. KIKUGAWA	COMMENTS ON THE DRAFT SAMPLING PLAN (SP) FOR SITE 15	ADMIN RECORD	SP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 28 OF 46 SW06030904 41074200



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N00236 / 001009 NONE COMMENTS NONE 00004	11-24-1999 <b>01-06-1994</b> NONE 00.0	DTSC - BERKELEY T. LANPHAR NAVFAC - EFA WEST G. MUNEKAWA	COMMENTS ON THE DRAFT INTERIM REMEDIAL ACTION (IRA) SITE 15, FIELD INVESTIGATION WORK PLAN (WP)	ADMIN RECORD	COMMENTS IRA	015	CHOICE IMAGING SOLUTIONS 181-03-0179 29 OF 46 SW06032302 41074200
N00236 / 001018 EFAW SER T4A2GK/L4127 RESPONSE NONE 00008	11-24-1999 <b>02-11-1994</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA DTSC - BERKELEY T. LANPHAR	SUBMISSION OF RESPONSE TO COMMENTS ON THE DRAFT FIELD INVESTIGATION WORK PLAN REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) INTERIM REMEDIAL ACTION (IRA), SITE 15, BUILDING 301 AND BUILDING 389, TRANSFORMER STORAGE AREA (W/ ENCLOSURE)	ADMIN RECORD	COMMENTS REMEDIAL ACTIO RESPONSE RI/FS	015 BLDG. 301 BLDG. 389	CHOICE IMAGING SOLUTIONS 181-03-0179 29 OF 46 SW06032302 41074200
N00236 / 001019 EFAW SER T4A2GK/L4128 RESPONSE NONE 00008	11-24-1999 <b>02-11-1994</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA COMMUNITY ADVISORY COMMITTEE R. HOUGH	SUBMISSION OF RESPONSE TO COMMENTS ON THE DRAFT FIELD INVESTIGATION WORK PLAN REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS), INTERIM REMEDIAL ACTION (IRA), SITE 15, BUILDING 301 AND BUILDING 389, TRANSFORMER STORAGE AREA (W/ ENCLOSURE)	ADMIN RECORD	COMMENTS REMEDIAL ACTIO RESPONSE RI/FS	015 BLDG. 301 BLDG. 389	CHOICE IMAGING SOLUTIONS 181-03-0179 29 OF 46 SW06032302 41074200
N00236 / 001020 EFAW SER T42GK/L4132 RESPONSE NONE 00011	11-24-1999 <b>02-11-1994</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA CA DEPARTMENT OF FISH AND GAME M. MARTIN	SUBMISSION OF RESPONSE TO COMMENTS ON THE DRAFT FIELD INVESTIGATION WORK PLAN REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS), INTERIM REMEDIAL ACTION (IRA), SITE 15, BUILDING 301 AND BUILDING 389, TRANSFORMER STORAGE AREA (W/ ENCLOSURE)	ADMIN RECORD	COMMENTS REMEDIAL ACTIO RESPONSE RI/FS	015 BLDG. 301 BLDG. 389	CHOICE IMAGING SOLUTIONS 181-03-0179 29 OF 46 SW06032302 41074200

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N00236 / 001041 NONE RPT N62474-88-D-5086 00150	11-24-1999 <b>03-14-1994</b> 00258 00.0	PRC ENVIRONMENTAL MGMT INC. D. BALCH NAVFAC - EFA WEST	DRAFT REMOVAL ACTION ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) REPORT (APPENDIX B IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL	EE/CA REMOVAL ACTIO	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200
N00236 / 001044 EFAW SER T4A2GK/L4161 CORRESP NONE 00002	11-24-1999 <b>03-15-1994</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA VARIOUS AGENCIES	SUBMISSION OF DRAFT REMOVAL ACTION ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) REPORT (W/OUT ENCLOSURE) [SEE AR #1041 - DRAFT REMOVAL ACTION EE/CA REPORT]	ADMIN RECORD INFO REPOSITORY	EE/CA REMOVAL ACTIO	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200
N00236 / 001046 EFAW SER T4A2GK/L4171 CORRESP NONE 00001	11-24-1999 <b>03-28-1994</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA VARIOUS AGENCIES	SUBMISSION OF FINAL FIELD WORK PLAN, INTERIM REMEDIAL ACTION (IRA) (W/OUT ENCLOSURE) [SEE AR #1047 - FINAL FIELD WORK PLAN]	ADMIN RECORD INFO REPOSITORY	IRA WP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200
N00236 / 001047 NONE RPT N62474-88-D-5086 00030	11-24-1999 <b>03-28-1994</b> 00258 00.0	PRC ENVIRONMENTAL MGMT INC. D. BALCH NAVFAC - EFA WEST	FINAL REMOVAL ACTION FIELD INVESTIGATION WORK PLAN	ADMIN RECORD INFO REPOSITORY	RA WP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200

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N00236 / 000658	06-13-2003	TETRA TECH EM	MONTHLY PROGRESS REVIEW MEETING	ADMIN RECORD	MTG MINS	004	SOUTHWEST
TC.A021.10075	<b>04-13-1994</b>	INC.	MINUTES FOR THE BRAC CLEANUP	INFO	SVOC	005	DIVISION - BLDG.
MM	DO 0021		ACTIVITIES 13 APRIL 1994 MEETING	REPOSITORY		008	110
N68711-00-D-0005		NAVFAC -				010A	181-03-0188
00007		SOUTHWEST				012	14 OF 17
		DIVISION				013	BOX 14 - 03/29/06
						014	RF5258
						015	
						PHASE 2B	
						PHASE 3	
N00236 / 000659	06-13-2003	TETRA TECH EM	MONTHLY PROGRESS REVIEW MEETING	ADMIN RECORD	MTG MINS	006	SOUTHWEST
TC.A021.10075	<b>04-29-1994</b>	INC.	MINUTES FOR THE BRAC CLEANUP	INFO		007A	DIVISION - BLDG.
MM	DO 0021		ACTIVITIES 29 APRIL 1994 MEETING	REPOSITORY		008	110
N68711-00-D-0005		NAVFAC -				012	181-03-0188
00005		SOUTHWEST				014	14 OF 17
		DIVISION				015	BOX 14 - 03/29/06
						016	RF5258
						OU 1	
						PHASE 5	
						PHASE 6	
N00236 / 001055	11-24-1999	SIERRA CLUB - SF	COMMENTS ON THE ENGINEERING	ADMIN RECORD	COMMENTS	015	CHOICE IMAGING
NONE	<b>05-19-1994</b>	BAY CHAPTER	EVALUATION/COST ANALYSIS (EE/CA) FOR		EE/CA		SOLUTIONS
COMMENTS	NONE	W. SMITH	SITE 15 REMOVAL ACTION				181-03-0179
NONE	00.0	NAS ALAMEDA					30 OF 46
00005		M. PETOUHOFF					SW06032302
							41074200

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N00236 / 001056 NONE COMMENTS NONE 00001	11-24-1999 <b>05-19-1994</b> NONE 00.0	COMMUNITY ADVISORY COMMITTEE R. HOUGH NAVFAC - EFA WEST G. KIKUGAWA	COMMENTS ON THE DRAFT ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) FOR SITE 15 REMOVAL ACTION (PORTION OF THE COMMENT REGARDING COST ANALYSIS IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL	COMMENTS EE/CA	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200
N00236 / 001057 NONE COMMENTS NONE 00008	11-24-1999 <b>05-19-1994</b> NONE 00.0	DTSC - BERKELEY T. LANPHAR NAVFAC - EFA WEST G. MUNEKAWA	COMMENTS ON THE DRAFT ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) FOR SITE 15 REMOVAL ACTION (INCLUDES CRWQCB COMMENTS DATED 12 MAY 1994) [PORTION OF THE COMMENT REGARDING COST ANALYSIS IS CONFIDENTIAL]	ADMIN RECORD CONFIDENTIAL	COMMENTS EE/CA	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200
N00236 / 001950 WBS NO. 001-76- 170 RPT N62474-93-D-2151 00200	02-08-2005 <b>05-20-1994</b> 00009	IT CORPORATION L. STOUT NAVFAC - EFA WEST	SITE HEALTH AND SAFETY PLAN, PHASE 1 WORK, REVISION A	ADMIN RECORD	UST VOC	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 000660 TC.A021.10075 MM N68711-00-D-0005 00006	06-13-2003 <b>05-25-1994</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	PROGRESS REVIEW MEETING MINUTES FOR THE BRAC CLEANUP ACTIVITIES 25 MAY 1994 MEETING	ADMIN RECORD INFO REPOSITORY		004 006 007A 008 012 014 015 016	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001062 NONE CORRESP NONE 00001	11-24-1999 <b>06-02-1994</b> NONE 00.0	DTSC - BERKELEY T. LANPHAR NAVFAC - EFA WEST G.KIKUGAWA	NOTIFICATION OF REQUIREMENT FOR CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DETERMINATION FOR SITE 15 REMOVAL ACTION	ADMIN RECORD	CEQA REMOVAL	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200
N00236 / 001064 NONE RPT N62474-88-D-5086 00120	11-24-1999 <b>06-02-1994</b> 00258 00.0	PRC ENVIRONMENTAL MGMT INC. D. BALCH NAVFAC - EFA WEST	DRAFT IMPLEMENTATION WORK PLAN, REMOVAL ACTION	ADMIN RECORD INFO REPOSITORY	RM WP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200
N00236 / 001118  CMNT NONE 00000	11-24-1999 <b>06-02-1994</b> NONE 00.0	DTSC	COMMENTS ON THE SITE 15 REMOVAL ACTION (RM) CEQA DETERMINATION	INFO REPOSITORY	CEQA RM	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 31 OF 46 BOX 31 - 03/01/06 41074200
N00236 / 001067 EFAW SER 09ER3GK/L4259 RESPONSE NONE 00015	11-24-1999 <b>06-16-1994</b> NONE 00.0	NAVFAC - EFA WEST G. MUNEKAWA VARIOUS AGENCIES	SUBMISSION OF RESPONSE TO DTSC, RWQCB, COMMUNITY ADVISORY COMMITTEE, AND SIERRA CLUB COMMENTS ON ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) FOR SITE 15 REMOVAL ACTION (W/ ENCLOSURES)	ADMIN RECORD	COMMENTS EE/CA RESPONSE	015	CHOICE IMAGING SOLUTIONS 181-03-0179 30 OF 46 SW06032302 41074200

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N00236 / 001951 NONE RPT N62474-93-D-2151 00030	02-08-2005 <b>06-21-1994</b> DO 0009	IT CORPORATION R. SWATEK NAVFAC - EFA WEST	DEMOLITION AND DISPOSAL WORK PLAN, REMOVAL ACTION FOR THE TRANSFORMER STORAGE AREA, REVISION A	ADMIN RECORD		015	SOUTHWEST DIVISION - BLDG. 110  03/16/06
N00236 / 001083 EFAW SER 09ER3GK/L4366 CORRESP NONE 00001	11-24-1999 <b>08-23-1994</b> NONE 00.0	NAVFAC - EFA WEST C. GARIBALDI DISTRIBUTION	SUBMISSION OF FINAL IMPLEMENTATION WORK PLAN FOR SITE 15 TRANSFORMER STORAGE AREA, REMOVAL ACTION (W/OUT ENCLOSURE) [SEE AR #1084 - FINAL IMPLEMENTATION WORK PLAN]	ADMIN RECORD INFO REPOSITORY	RA WP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 31 OF 46 SW06040601 41074200
N00236 / 001084 NONE RPT N62474-II-D-5086 00065	11-24-1999 <b>08-29-1994</b> 00258 00.0	PRC ENVIRONMENTAL MGMT INC.  NAVFAC - EFA WEST	FINAL IMPLEMENTATION WORK PLAN SITE 15 TRANSFORMER STORAGE AREA, REMOVAL ACTION (PORTION OF THE EMERGENCY ASSISTANCE INFORMATION LIST IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	RA WP	015	CHOICE IMAGING SOLUTIONS 181-03-0179 31 OF 46 SW06040601 41074200
N00236 / 001105 EFAW SER 09ER3GK/L4412 RESPONSE NONE 00004	11-24-1999 <b>09-28-1994</b> NONE 00.0	NAVFAC - EFA WEST C. GARIBALDI DTSC - BERKELEY T. LANPHAR	RESPONSE TO QUESTIONS REGARDING CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DETERMINATION FOR SITE 15 REMOVAL ACTION	ADMIN RECORD INFO REPOSITORY	CEQA REMOVAL	015	CHOICE IMAGING SOLUTIONS 181-03-0179 31 OF 46 SW06040601 41074200

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N00236 / 001149	11-24-1999	ITC	SITE 15 TRANSFORMER STORAGE AREA	INFO	RA	015	SOUTHWEST
RPT	<b>10-01-1994</b>		REMEDIAL ACTION (RA) DEMOLITION AND	REPOSITORY			DIVISION - BLDG.
NONE	DO 0009		DISPOSAL PLAN				110
00000	00.0						181-03-0179
							31 OF 46
							BOX 31 - 03/01/06
							41074200
N00236 / 001150	11-24-1999	ITC	TRANSFORMER STORAGE AREA REMEDIAL	ADMIN RECORD	REMEDIAL ACTIO	015	SOUTHWEST
PLAN	<b>10-01-1994</b>		ACTION (RA) ENVIRONMENTAL	INFO			DIVISION - BLDG.
NONE	DO 0009	NAVFAC -	PROTECTION PLAN	REPOSITORY			110
00000	00.0	SOUTHWEST					181-03-0179
		DIVISION					31 OF 46
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							41074200
N00236 / 001151	11-24-1999	ITC	SITE 15 TRANSFORMER STORAGE AREA	INFO	QCP	015	SOUTHWEST
RPT	<b>10-01-1994</b>		REMEDIAL ACTION (RA) DRAFT	REPOSITORY	RA		DIVISION - BLDG.
NONE	NONE		CONTRACTOR QUALITY CONTROL PLAN				110
00000	00.0		(QCP)(DO 0009/PHASE 2)				181-03-0179
							31 OF 46
							BOX 31 - 03/01/06
							41074200
N00236 / 001152	11-24-1999	ITC	SITE 15 TRANSFORMER STORAGE AREA	INFO	HASP	015	SOUTHWEST
RPT	<b>10-01-1994</b>		REMEDIAL ACTION (RA) SITE HEALTH AND	REPOSITORY	RA		DIVISION - BLDG.
NONE	NONE		SAFETY PLAN (HASP)(DO 0009)				110
00000	00.0						181-03-0179
							32 OF 46
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							41074200

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N00236 / 001122 NONE COMMENTS NONE 00001	11-24-1999 <b>10-07-1994</b> NONE 00.0	CRWQCB J. NASRALA DTSC - BERKELEY T. LANPHAR	COMMENTS ON THE SITE 15 FINAL REMOVAL ACTION (RM), ACTION MEMORANDUM (AM)	ADMIN RECORD	AM RM	015	CHOICE IMAGING SOLUTIONS 181-03-0179 31 OF 46 SW06040601 41074200
N00236 / 001133 NONE RPT N62474-II-D-5086 00000	11-24-1999 <b>10-13-1994</b> 00258 00.0	PRC ENVIRONMENTAL MGMT INC.  NAVFAC - EFA WEST	FINAL ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) REPORT FOR SITE 15 REMOVAL ACTION (APPENDIX B IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL	EE/CA RA	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 31 OF 46 BOX 31 - 03/01/06 41074200
N00236 / 001952 NONE RPT N62474-93-D-2151 00030	02-08-2005 <b>10-18-1994</b> DO 0009	IT CORPORATION R. SWATEK NAVFAC - EFA WEST	DEMOLITION AND DISPOSAL WORK PLAN, REMOVAL ACTION FOR THE TRANSFORMER STORAGE AREA, REVISION 0	ADMIN RECORD		015	SOUTHWEST DIVISION - BLDG. 110  03/16/06
N00236 / 001123  CMNT NONE 00003	11-24-1999 <b>10-19-1994</b> NONE 00.0	DTSC LANPHAR, THOMAS NAVY KIKUGAWA, GEORGE	REVIEW OF SITE 15 ACTION MEMORANDUM (AM) DRAFT	ADMIN RECORD	AM	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 31 OF 46 BOX 31 - 03/01/06 41074200



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N00236 / 001124	11-24-1999	DTSC	REVIEW OF SITE 15 REMOVAL ACTION (RM)	ADMIN RECORD	HASP	015	SOUTHWEST	
CMNT	<b>10-19-1994</b>	LANPHAR,	HEALTH AND SAFETY PLAN (HASP) DRAFT		RM		DIVISION - BLDG.	
NONE	NONE	THOMAS					110	
00002	00.0	NAVY					181-03-0179	
		KIKUGAWA,					31 OF 46	
		GEORGE					BOX 31 - 03/01/06	
							41074200	
N00236 / 001142	11-24-1999	DTSC	AGENCY COMMENTS ON SITE 15 REMOVAL	INFO	HASP	015	SOUTHWEST	
CMNT	<b>10-19-1994</b>		ACTION (RM) DRAFT HEALTH AND SAFETY	REPOSITORY	RM		DIVISION - BLDG.	
NONE	NONE		PLAN (HASP)				110	
00000	00.0						181-03-0179	
							31 OF 46	
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							41074200	
N00236 / 001143	11-24-1999	DTSC	AGENCY COMMENTS ON SITE 15 DRAFT	ADMIN RECORD	AM	015	SOUTHWEST	
CMNT	<b>10-19-1994</b>		ACTION MEMORANDUM (AM)				DIVISION - BLDG.	
NONE	NONE						110	
00000	00.0						181-03-0179	
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							41074200	
N00236 / 001132	11-24-1999	NAVY	SUBMISSION OF FINAL ENGINEERING	INFO	CA	015	SOUTHWEST	
LTR	<b>10-20-1994</b>		EVALUATION/COST ANALYSIS (EE/CA) FOR	REPOSITORY	EE		DIVISION - BLDG.	
NONE	NONE		SITE 15 REMOVAL ACTION (RM)		RM		110	
00000	00.0						181-03-0179	
							31 OF 46	
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Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001953 NONE RPT N62474-93-D-2151 00500	02-08-2005 <b>10-25-1994</b> DO 0009	IT CORPORATION  NAVFAC - EFA WEST	SITE HEALTH AND SAFETY PLAN (SHSP), PHASE II WORK, REVISION 0 (SEE AR #1200 - REVISION 1)	ADMIN RECORD	SHSP UST VOC	015	SOUTHWEST DIVISION - BLDG. 110   03/23/06
N00236 / 001148  RPT NONE 00000	11-24-1999 <b>11-02-1994</b> NONE 00.0	ITC	SITE 15 TRANSFORMER STORAGE AREA REMEDIAL ACTION (RA) WORK PLAN (WP)(DO 0009)	INFO REPOSITORY	RA WP	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 31 OF 46 BOX 31 - 03/01/06 41074200
N00236 / 001136  LTR NONE 00000	11-24-1999 <b>11-03-1994</b> NONE 00.0	NAVY	SUBMISSION OF REVISED PRELIMINARY WORK PLAN (WP), SITE 15 TRANSFORMER STORAGE AREA REMEDIAL ACTION (RA)	INFO REPOSITORY	RA WP	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 31 OF 46 BOX 31 - 03/01/06 41074200
N00236 / 001197  CMNT NONE 00000	11-24-1999 <b>11-09-1994</b> NONE 00.0	USEPA	AGENCY COMMENTS ON SITE 15 ACTION MEMORANDUM (AM) DRAFT	ADMIN RECORD	AM	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 32 OF 46 BOX 32 - 03/15/06 41074200

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001144	11-24-1999 <b>11-22-1994</b>	DTSC	AGENCY COMMENTS ON SITE 15 REMOVAL ACTION (RM) - MANAGEMENT OF RESIDUAL WASTE WATER AND WASTE SOLIDS FROM TREATMENT PROCESS	INFO REPOSITORY	RM	015	SOUTHWEST DIVISION - BLDG. 110
CMNT NONE 00000	NONE 00.0						181-03-0179 31 OF 46 BOX 31 - 03/01/06 41074200
N00236 / 001155	11-24-1999 <b>12-14-1994</b>	PRC	FINAL ACTION MEMORANDUM (AM) FOR SITE 15 NON-TIME CRITICAL REMOVAL ACTION (RM) {SEE AR #48 - DRAFT ADDENDUM, DATED 12/19/00 & #246 - REVISED DRAFT ADDENDUM, DATED 08/24/01}	ADMIN RECORD	AM RM	015	SOUTHWEST DIVISION - BLDG. 110
ACTM NONE 00000	NONE 00.0						181-03-0179 32 OF 46 BOX 32 - 03/15/06 41074200
N00236 / 001156	11-24-1999 <b>12-20-1994</b>	NAVFAC - EFA WEST	SUBMISSION OF SITE 15 REMOVAL ACTION SCHEDULE (W/ ENCLOSURES)	ADMIN RECORD INFO REPOSITORY	REMOVAL	015	CHOICE IMAGING SOLUTIONS
EFAW SER 09ER3DW/L5094 CORRESP NONE 00006	NONE 00.0	US ARMY CORPS OF ENGINEERS					181-03-0179 32 OF 46 SW06040602 41074200
N00236 / 001157	11-24-1999 <b>12-28-1994</b>	DTSC	AGENCY APPROVAL OF ACTION MEMORANDUM (AM) FOR SITE 15 REMOVAL ACTION (RM)	ADMIN RECORD	AM RM	015	SOUTHWEST DIVISION - BLDG. 110
LTR NONE 00000	NONE 00.0						181-03-0179 32 OF 46 BOX 32 - 03/15/06 41074200

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001198	11-24-1999	DTSC	AGENCY COMMENTS ON ACTION	ADMIN RECORD	AM	015	SOUTHWEST
	<b>12-28-1994</b>		MEMORANDUM (AM) FOR SITE 15 REMOVAL		RM		DIVISION - BLDG.
CMNT	NONE		ACTION (RM)				110
NONE	00.0						181-03-0179
00000							32 OF 46
							BOX 32 - 03/15/06
							41074200
N00236 / 000663	06-13-2003	TETRA TECH EM	PROGRESS REVIEW MEETING MINUTES	ADMIN RECORD	MTG MINS	005	SOUTHWEST
TC.A021.10075	<b>01-18-1995</b>	INC.	FOR THE 18 JANUARY 1995 MEETING	INFO		007A	DIVISION - BLDG.
MM	DO 0021			REPOSITORY		007C	110
N68711-00-D-0005		NAVFAC -				013	181-03-0188
00005		SOUTHWEST				015	14 OF 17
		DIVISION				016	BOX 14 - 03/29/06
							RF5258
N00236 / 001200	11-24-1999	IT CORPORATION	SITE HEALTH AND SAFETY PLAN (SHSP),	ADMIN RECORD	HASP	015	SOUTHWEST
NONE	<b>02-01-1995</b>		PHASE II WORK, REVISION 1 (SEE AR	INFO			DIVISION - BLDG.
RPT	DO 0009	NAVFAC - EFA	#1953 - REVISION 0)	REPOSITORY			110
N62474-93-D-2151	00.0	WEST					181-03-0179
00000							32 OF 46
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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000666 TC.A021.10075 MM N68711-00-D-0005 00006	06-16-2003 <b>03-14-1995</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	PROGRESS REVIEW MEETING MINUTES FOR THE 14 MARCH 1995 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS RAB	001 002 003 004 005 007A 007C 010A 012 013 014 015 018	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 001180 SER 1831.3DW/5002 CORRESP NONE 00002	11-24-1999 <b>04-25-1995</b> NONE 00.0	DEPARTMENT OF THE NAVY C. GARIBALDI DTSC - BERKELEY T. LANPHAR	WINTER RAIN EFFECT ON SITE 15 REMOVAL ACTION	ADMIN RECORD	REMOVAL	015	CHOICE IMAGING SOLUTIONS 181-03-0179 32 OF 46 SW06040602 41074200
N00236 / 001204  RESP NONE 00002	11-24-1999 <b>06-08-1995</b> NONE 00.0	ITC CROOKS, VALERIE NAVY CHAGONJIAN, LIDI	REMOVAL ACTION (RM) AT SITE 15, QUESTIONS REGARDING RESIDUAL DISPOSITION FROM THE SOIL WASHING PROCESS	INFO REPOSITORY	RM SOIL WASHING	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 32 OF 46 BOX 32 - 03/15/06 41074200

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000668 TC.A021.10075 MM N68711-00-D-0005 00011	06-16-2003 <b>06-20-1995</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	MONTHLY TRACKING MEETING MINUTES FOR ENVIRONMENTAL ACTIONS FOR THE 20 JUNE 1995 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS TPH	007A 014 015 016 018 07C OU 1 OU 2	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 001203  LTR NONE 00001	11-24-1999 <b>06-20-1995</b> NONE 00.0	NAVY WONG, DENNIS DTSC LANPHAR, THOMAS	SUBMISSION LETTER - REMOVAL ACTION (RM) AT SITE 15 QUESTIONS REGARDING RESIDUAL DISPOSITION FROM SOIL WASHING PROCESS	INFO REPOSITORY	RM SOIL WASHING	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 32 OF 46 BOX 32 - 03/15/06 41074200
N00236 / 001213 EFAW SER 1831.2/5160 CORRESP NONE 00005	11-24-1999 <b>07-11-1995</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA DISTRIBUTION	SUBMISSION OF DOCUMENT SUMMARY FOR DRAFT DATA TRANSMITTAL MEMORANDUM FOR INSTALLATION RESTORATION SITES 1, 2, 3, RUNWAY AREA, 6 , 7A, 7B, 7C, 10B, 11, 13, 15, 16, AND 19 (W/ ENCLOSURE)	ADMIN RECORD		001 002 003 006 007 010 011 013 015 016 019	CHOICE IMAGING SOLUTIONS 181-03-0179 32 OF 46 SW06040602 41074200

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Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001216	11-24-1999	NAVY	DOCUMENT SUMMARY FOR DRAFT DATA	ADMIN RECORD		001	SOUTHWEST
	<b>07-11-1995</b>	KIKUGAWA,	AND DRAFT DATA FOR TRANSMITTAL			002	DIVISION - BLDG.
LTR	NONE	GEORGE	MEMORANDUM FOR INSTALLATION			003	110
NONE	00.0	DTSC	RESTORATION SITES 1, 2, 3, RUNWAY			006	181-03-0179
00005		LANPHAR,	AREA, 6 , 7A, 7B, 7C, 10B, 11, 13, 15			007	33 OF 46
		THOMAS				010	BOX 33 - 03/15/06
						011	41074200
						013	
						015	
						016	
						019	
N00236 / 000669	06-16-2003	TETRA TECH EM	MONTHLY TRACKING MEETING MINUTES	ADMIN RECORD	MTG MINS	007A	SOUTHWEST
TC.A021.10075	<b>07-18-1995</b>	INC.	FOR ENVIRONMENTAL ACTIONS FOR THE	INFO	RAB	007C	DIVISION - BLDG.
MM	DO 0021		18 JULY 1995 MEETING	REPOSITORY		014	110
N68711-00-D-0005		NAVFAC -				015	181-03-0188
00009		SOUTHWEST				016	14 OF 17
		DIVISION				018	BOX 14 - 03/29/06
							RF5258
N00236 / 001241	11-24-1999	DTSC	COMMENTS ON THE DRAFT WORK PLAN	INFO	TSTA	015	SOUTHWEST
	<b>10-23-1995</b>	LANPHAR,	(WP) FOR TEMPORARY STORAGE AND	REPOSITORY	WP		DIVISION - BLDG.
CMNT	NONE	THOMAS	TREATMENT AREA FOR SITE 15 SOIL				110
NONE	00.0	NAVY					181-03-0179
00003		GARIBALDI, CAMIL					33 OF 46
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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001235 EFAW SER 1831.3DW/L6023 RPT NONE 00012	11-24-1999 <b>10-25-1995</b> NONE 00.0	NAVFAC - EFA WEST D. WONG DISTRIBUTION	SUBMISSION OF ADMINSTRATIVE MEMORANDUM, CHANGES TO REMOVAL ACTION AT SITE 15 (W/ ENCLOSURE)	ADMIN RECORD	MEMORANDUM REMOVAL	015	CHOICE IMAGING SOLUTIONS 181-03-0179 33 OF 46 SW06040602 41074200
N00236 / 001243 NONE CORRESP NONE 00012	11-24-1999 <b>10-31-1995</b> NONE 00.0	DEPARTMENT OF THE NAVY D. WONG DTSC - BERKELEY T. LANPHAR	ADMINSTRATIVE MEMORANDUM, CHANGES TO REMOVAL ACTION (RM) AT SITE 15	ADMIN RECORD INFO REPOSITORY	RM	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 33 OF 46 BOX 33 - 03/15/06 41074200
N00236 / 001258 RPT N62474-88-D-5086 00026	11-24-1999 <b>12-01-1995</b> 00258 00.0	PRC BIE, SCOTT W. NAVY WONG, DENNIS	PRELIMINARY REMOVAL ACTION (RM) IMPLEMENTATION REPORT, SITE 15	INFO REPOSITORY	RM	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 34 OF 46 BOX 34 - 03/15/06 41074200



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Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000670	06-16-2003	TETRA TECH EM	MONTHLY TRACKING MEETING MINUTES	ADMIN RECORD	MTG MINS	002	SOUTHWEST
TC.A021.10075	<b>02-20-1996</b>	INC.	FOR ENVIRONMENTAL ACTIONS FOR THE	INFO		003	DIVISION - BLDG.
MM	DO 0021		20 FEBRUARY 1996 MEETING - INCLUDES	REPOSITORY		004	110
N68711-00-D-0005		NAVFAC -	ATTENDANCE LIST AND AGENDA			005	181-03-0188
00004		SOUTHWEST				007A	14 OF 17
		DIVISION				007C	BOX 14 - 03/29/06
						013	RF5258
						014	
						015	
						016	
						018	
						OU 4	
N00236 / 001295	11-24-1999	IT CORPORATION	FINAL POST CONSTRUCTION	ADMIN RECORD	REMOVAL	015	CHOICE IMAGING
NONE	<b>04-01-1996</b>		IMPLEMENTATION REPORT, REMOVAL				SOLUTIONS
RPT	DO 0009	NAVFAC - EFA	ACTION				181-03-0179
N62474-93-D-2151	00.0	WEST					34 OF 46
00176							SW06040602
							41074200
N00236 / 001284	11-24-1999	NAVY	SUBMISSION OF COVER PAGES FOR FINAL	INFO		001	SOUTHWEST
	<b>04-24-1996</b>	KIKUGAWA,	DATA TRANSMITTAL MEMORANDUM FOR	REPOSITORY		002	DIVISION - BLDG.
LTR	00280	GEORGE	SITES 1, 2, 3, RUNWAY AREA, 6, 7A, 7B, 7C,			003	110
N62474-88-D-5086	00.0	DTSC	9, 10B, 11, 13, 15, 16 AND 19; VOLUMES 1			006	181-03-0179
00004		LANPHAR,	AND 2			007	34 OF 46
		THOMAS				009	BOX 34 - 03/15/06
						011	41074200
						013	
						015	
						016	
						019	
						021	
						022	
						023	

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001214	11-24-1999	PRC	FINAL REMEDIAL	ADMIN RECORD	FS	001	SOUTHWEST
	<b>05-01-1996</b>	BALCH, DUANE C.	INVESTIGATION/FEASIBILITY STUDY (RI/FS);		RI	002	DIVISION - BLDG.
RPT	00280	NAVY	DATA TRANSMITTAL MEMORANDUM; SITES			003	110
N62474-88-D-5086	00.0	MUNEKAWA,	1, 2, 3, RUNWAY AREA, 6, 7A, 7B, 7C, 9, 10B,			006	181-03-0179
00000		GARY J	11, 13, 15, 16, AND 19; VO			007	33 OF 46
						010	BOX 33 - 03/15/06
						011	41074200
						013	
						015	
						016	
						019	
N00236 / 001215	11-24-1999	PRC	FINAL REMEDIAL	ADMIN RECORD	FS	001	SOUTHWEST
	<b>05-01-1996</b>	BALCH, DUANE C.	INVESTIGATION/FEASIBILITY STUDY (RI/FS);		RI	002	DIVISION - BLDG.
RPT	00280	NAVY	DATA TRANSMITTAL MEMORANDUM; SITES			003	110
N62474-88-D-5086	00.0	MUNEKAWA,	1, 2, 3, RUNWAY AREA, 6, 7A, 7B, 7C, 9, 10B,			006	181-03-0179
00000		GARY J	11, 13, 15, 16, AND 19; VO			007	33 OF 46
						010	BOX 33 - 03/15/06
						011	41074200
						013	
						015	
						016	
						019	
N00236 / 001294	11-24-1999	NAVFAC - EFA	TRANSMITTAL OF FINAL POST	ADMIN RECORD	REMOVAL	015	CHOICE IMAGING
EFAW SER	<b>05-09-1996</b>	WEST	CONSTRUCTION IMPLEMENTATION	INFO			SOLUTIONS
1831.3DW/L6201	00009	D. WONG	REPORT, REMOVAL ACTION (W/OUT	REPOSITORY			181-03-0179
CORRESP	00.0	VARIOUS	ENCLOSURE) [ SEE AR #1295 - FINAL POST				34 OF 46
N62474-93-D-2151		AGENCIES	CONSTRUCTION IMPLEMENTATION				SW06040602
00001			REPORT]				41074200

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000672	06-16-2003	TETRA TECH EM	MONTHLY TRACKING MEETING MINUTES	ADMIN RECORD	MTG MINS	001	SOUTHWEST
TC.A021.10075	<b>05-21-1996</b>	INC.	FOR ENVIRONMENTAL ACTIONS FOR THE	INFO	RAB	002	DIVISION - BLDG.
MM	DO 0021		21 MAY 1996 MEETING	REPOSITORY		015	110
N68711-00-D-0005		NAVFAC -				016	181-03-0188
00005		SOUTHWEST				018	14 OF 17
		DIVISION				OU 1	BOX 14 - 03/29/06
						OU 2	RF5258
						OU 3	
						OU 4	
N00236 / 000673	06-16-2003	TETRA TECH EM	MONTHLY TRACKING MEETING MINUTES	ADMIN RECORD	MTG MINS	003	SOUTHWEST
TC.A021.10075	<b>06-25-1996</b>	INC.	FOR ENVIRONMENTAL ACTIONS FOR THE	INFO	RAP	007	DIVISION - BLDG.
MM	DO 0021		25 JUNE 1996 MEETING - INCLUDES	REPOSITORY		007A	110
N68711-00-D-0005		NAVFAC -	ATTENDANCE LIST AND AGENDA			013	181-03-0188
00008		SOUTHWEST				014	14 OF 17
		DIVISION				015	BOX 14 - 03/29/06
						016	RF5258
						022	
						07C	
N00236 / 000674	06-16-2003	TETRA TECH EM	MONTHLY TRACKING MEETING MINUTES	ADMIN RECORD	MTG MINS	001	SOUTHWEST
TC.A021.10075	<b>08-20-1996</b>	INC.	FOR ENVIRONMENTAL ACTIONS FOR THE	INFO		002	DIVISION - BLDG.
MM	DO 0021		20 AUGUST 1996 MEETING - INCLUDES	REPOSITORY		005	110
N68711-00-D-0005		NAVFAC -	ATTENDANCE LIST AND AGENDA			007	181-03-0188
00010		SOUTHWEST				007A	14 OF 17
		DIVISION				010	BOX 14 - 03/29/06
						010A	RF5258
						014	
						015	
						016	
						018	
						022	
						07C	

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Doc. Control No.	Prc. Date	Author Affil.						FRC Access. No.
Record Type	Record Date	Author						FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.						FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 001390	11-24-1999	DTSC - BERKELEY	INFORMATION REQUEST FOR SITES 15	ADMIN RECORD	REMOVAL	015	CHOICE IMAGING	
NONE	<b>04-21-1997</b>	T. LANPHAR	AND 16 REMOVAL ACTIONS			016	SOLUTIONS	
CORRESP	NONE	NAVFAC - EFA					181-03-0179	
NONE	00.0	WEST					36 OF 46	
00003		C. GARIBALDI					SW06040603	
							41074200	
N00236 / 001384	11-24-1999	NAVY	SUBMISSION OF THE (1) DRAFT	ADMIN RECORD	CA	015	SOUTHWEST	
	<b>05-15-1997</b>	KIKUGAWA,	ADDENDUM, ENGINEERING		EE	016	DIVISION - BLDG.	
LTR	NONE	GEORGE	EVALUATION/COST ANALYSIS (EE/CA), SITE		RM		110	
N62474-94-D-7535	00.0	DTSC	15 - SOIL REMOVAL ACTION (RM), (2) DRAFT				181-03-0179	
00002		LANPHAR,	FINAL, ENGINEERING EVALUATION/C				36 OF 46	
		THOMAS					BOX 36 - 03/15/06	
							41074200	
N00236 / 001385	11-24-1999	MET	DRAFT ADDENDUM, ENGINEERING	ADMIN RECORD	CA	015	SOUTHWEST	
	<b>05-15-1997</b>	IGBENE, AKALI	EVALUATION/COST ANALYSIS (EE/CA), SITE		EE		DIVISION - BLDG.	
RPT	00010	NAVY	15 - SOIL REMOVAL ACTION (RM)		RM		110	
N62474-94-D-7535	00.0	KIKUGAWA,					181-03-0179	
00069		GEORGE					36 OF 46	
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N00236 / 001430	11-24-1999	DTSC	COMMENTS ON THE DRAFT ADDENDUM	ADMIN RECORD	CA	015	SOUTHWEST	
	<b>06-10-1997</b>	LANPHAR,	ENGINEERING EVALUATION/COST		EE	016	DIVISION - BLDG.	
CMNT	NONE	THOMAS	ANALYSIS (EE/CA) SITE 15, SOIL REMOVAL		RM		110	
NONE	00.0	NAVY	ACTION (RM); DRAFT EE/CA SITE 16, SOIL				181-03-0179	
00008		GARIBALDI, CAMIL	REMOVAL ACTION				37 OF 46	
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Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001424	11-24-1999	NAVFAC - EFA	SUBMISSION OF RESPONSE TO	ADMIN RECORD	CA	015	CHOICE IMAGING
EFaw SER	<b>06-20-1997</b>	WEST	COMMENTS ON THE PRE-DRAFT		EE	016	SOLUTIONS
1831.2/L7202	NONE	C. GARIBALDI	ENGINEERING EVALUATION/COST				181-03-0179
RESP	00.0	USEPA - SAN	ANALYSIS (EE/CA) FOR SITE 15 AND THE				37 OF 46
N62474-94-D-7535		FRANCISCO	PRE-DRAFT EE/CA FOR SITE 16 (W/				SW06050401
00010		J. RICKS	ENCLOSURE)				41074200
N00236 / 001425	11-24-1999	NAVFAC - EFA	SUBMISSION OF RESPONSE TO	ADMIN RECORD	COMMENTS	015	CHOICE IMAGING
EFaw SER	<b>06-20-1997</b>	WEST	COMMENTS ON THE PRE-DRAFT		EE/CA	016	SOLUTIONS
1831.2/L7201	NONE	C. GARIBALDI	ENGINEERING EVALUATION/COST		RESPONSE		181-03-0179
RESP	00.0	DTSC - BERKELEY	ANALYSIS (EE/CA) FOR SITE 15 AND THE				37 OF 46
N62474-94-D-7535		T. LANPHAR	PRE-DRAFT EE/CA FOR SITE 16 (W/				SW06050401
00011			ENCLOSURE)				41074200
N00236 / 001427	11-24-1999	ITC	DRAFT CONTRACTOR WORK PLAN,	REMOVED	HASP	015	SOUTHWEST
	<b>07-01-1997</b>	MCGUIRE, JOHN	ENVIRONMENTAL PROTECTION PLAN,		RM	016	DIVISION - BLDG. 1
RPT	00037	NAVY	SAMPLING AND ANALYSIS PLAN (SAP), SITE		SAP		
N62474-93-D-2151	00.0	KIKUGAWA,	HEALTH AND SAFETY PLAN (HASP), NON-		WP		
00500		GEORGE	TIME CRITICAL REMOVAL ACTIONS				
N00236 / 001422	11-24-1999	MET	DRAFT FINAL ADDENDUM ENGINEERING	ADMIN RECORD	CA	015	SOUTHWEST
	<b>07-14-1997</b>	IGBENE, AKALI	EVALUATION/COST ANALYSIS (EE/CA), SITE		EE		DIVISION - BLDG.
RPT	00010	NAVY	15, SOIL REMOVAL ACTION (RM)		RM		110
N62474-94-D-7535	00.0	KIKUGAWA,					181-03-0179
00100		GEORGE					37 OF 46
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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001426	11-24-1999	NAVY	SUBMISSION OF THE DRAFT CONTRACTOR	ADMIN RECORD	HASP	015	SOUTHWEST
	<b>07-21-1997</b>	KIKUGAWA,	WORK PLAN, ENVIRONMENTAL		RM	016	DIVISION - BLDG.
LTR	00037	GEORGE	PROTECTION PLAN, SAMPLING AND		SAP		110
N62474-93-D-2151	00.0	DTSC	ANALYSIS PLAN (SAP), SITE HEALTH AND		WP		181-03-0179
00002		LANGSTON, JOHN	SAFETY PLAN (HASP), NON-TIME CRITIC				37 OF 46
							BOX 37 - 03/28/06
							41074200
N00236 / 000687	06-16-2003	TETRA TECH EM	MONTHLY TRACKING MEETING MINUTES	ADMIN RECORD	MTG MINS	001	SOUTHWEST
TC.A021.10075	<b>07-29-1997</b>	INC.	FOR ENVIRONMENTAL ACTIONS FOR THE	INFO		002	DIVISION - BLDG.
MM	DO 0021		29 JULY 1997 MEETING - INCLUDES AGENDA	REPOSITORY		004	110
N68711-00-D-0005		NAVFAC -				005	181-03-0188
00009		SOUTHWEST				014	14 OF 17
		DIVISION				015	BOX 14 - 03/29/06
						016	RF5258
						024	
						OU 2	
						OU 3	
N00236 / 001434	11-24-1999	ITC	FINAL WORK PLAN, CONTRACTOR QUALITY	ADMIN RECORD	HASP	015	SOUTHWEST
	<b>09-12-1997</b>	MCGUIRE, JOHN	CONTROL PLAN, ENVIRONMENTAL		QCP	016	DIVISION - BLDG.
RPT	00037	NAVY	PROTECTION PLAN, SAMPLING AND		RM		110
N62474-93-D-2151	00.0	KIKUGAWA,	ANALYSIS PLAN, SITE HEALTH AND SAFETY		SAP		181-03-0179
00500		GEORGE	PLAN (HASP), NON-TIME CRITICAL		WP		37 OF 46
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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000689	06-16-2003	TETRA TECH EM	MONTHLY TRACKING MEETING MINUTES	ADMIN RECORD	MTG MINS	001	SOUTHWEST
TC.A021.10075	<b>09-16-1997</b>	INC.	FOR ENVIRONMENTAL ACTIONS FOR THE	INFO	TPH	003	DIVISION - BLDG.
MM	DO 0021		16 SEPTEMBER 1997 MEETING - INCLUDES	REPOSITORY		004	110
N68711-00-D-0005		NAVFAC -	AGENDA			005	181-03-0188
00012		SOUTHWEST				007	14 OF 17
		DIVISION				011	BOX 14 - 03/29/06
						012	RF5258
						014	
						015	
						022	
						OU 2	
N00236 / 001441	11-24-1999	DTSC	COMMENTS ON THE DRAFT ENGINEERING	ADMIN RECORD	CA	015	SOUTHWEST
	<b>09-19-1997</b>	LANPHAR,	EVALUATION/COST ANALYSIS (EE/CA) AND		EE	016	DIVISION - BLDG.
CMNT	NONE	THOMAS	WORK PLANS (WP) FOR THE REMOVAL		RM		110
NONE	00.0	NAVY	ACTIONS (RM) AT SITES 15 AND 16 - 14		WP		181-03-0179
00002		GARIBALDI, CAMIL	JULY 1997 AND 12 SEPTE				37 OF 46
							BOX 37 - 03/28/06
							41074200
N00236 / 001446	11-24-1999	ITC	REPLACEMENT PAGES FOR WORK PLAN	ADMIN RECORD	RM	015	SOUTHWEST
	<b>10-14-1997</b>		(WP), NON-TIME CRITICAL REMOVAL		TSTA	016	DIVISION - BLDG.
LTR	NONE	NAVY	ACTION (RM), SITE 16 CANS C-2 AREA AND		WP		110
NONE	00.0	KIKUGAWA,	SITE 15 TSTA				181-03-0179
00010		GEORGE					37 OF 46
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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000690	06-16-2003	TETRA TECH EM	TRACKING MEETING MINUTES FOR	ADMIN RECORD	MTG MINS	003	SOUTHWEST
TC.A021.10075	<b>10-28-1997</b>	INC.	ENVIRONMENTAL ACTIONS FOR THE 28	INFO		004	DIVISION - BLDG.
MM	DO		OCTOBER 1997 MEETING - INCLUDES	REPOSITORY		005	110
N68711-00-D-0005		NAVFAC -	ATTENDANCE LIST AND AGENDA			007	181-03-0188
00011		SOUTHWEST				011	14 OF 17
		DIVISION				012	BOX 14 - 03/29/06
						013	RF5258
						014	
						015	
						016	
						022	
						OU 1	
N00236 / 001471	11-24-1999	MET	FINAL SITE 15 TSTA: ACTION	ADMIN RECORD	AM	015	SOUTHWEST
	<b>11-01-1997</b>	IGBENE, AKALI	MEMORANDUM (AM), NON-TIME CRITICAL		RM		DIVISION - BLDG.
ACTM	00009	NAVY	REMOVAL ACTION (RM)		TSTA		110
N62474-94-D-7535	00.0	KIKUGAWA,					181-03-0179
00100		GEORGE					38 OF 46
							BOX 38 - 03/28/06
							41074200
N00236 / 001473	11-24-1999	MET	FINAL SITE 16 AND 15 TSTA: IWP	ADMIN RECORD	RM	015	SOUTHWEST
	<b>11-01-1997</b>	IGBENE, AKALI	IMPLEMENTATION WORK PLAN (WP), NON-		TSTA	016	DIVISION - BLDG.
RPT	00009	NAVY	TIME CRITICAL REMOVAL ACTION (RM)		WP		110
N62474-94-D-7535	00.0	KIKUGAWA,					181-03-0179
00022		GEORGE					38 OF 46
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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001470	11-24-1999	NAVY	SUBMISSION OF THE FINAL (1) SITE 15	ADMIN RECORD	AM	015	SOUTHWEST
	<b>12-01-1997</b>	KIKUGAWA,	TSTA: ACTION MEMORANDUM (AM), (2) SITE		RM	016	DIVISION - BLDG.
LTR	00009	GEORGE	16: ACTION MEMORANDUM (AM), (3) SITE 16		TSTA		110
N62474-94-D-7535	00.0	DTSC	AND 15 TSTA: IWP IMPLEMENTATION		WP		181-03-0179
00002		LANPHAR,	WORK PLAN (WP),				38 OF 46
		THOMAS					BOX 38 - 03/28/06
							41074200
N00236 / 001509	11-24-1999	IT CORPORATION	FINAL CONSTRUCTION CLOSURE REPORT,	ADMIN RECORD	CLOSURE	015	CHOICE IMAGING
NONE	<b>03-25-1998</b>	J. MCGUIRE	NON-TIME CRITICAL REMOVAL ACTION		NTCRA	016	SOLUTIONS
RPT	00037	NAVFAC - EFA	(NTCRA), SITE 16 - CANS C-2 AREA AND		REMOVAL		181-03-0179
N62474-93-D-2151	00.0	WEST	SITE 15 - SOIL REMOVAL AT TEMPORARY		SOIL		39 OF 46
00125		D. WONG	STORAGE AND TREATMENT AREA (SEE AR				SW06050401
			#1508 - EFA WEST TRANSMITTAL LETTER				41074200
			BY D. WONG)				
N00236 / 001508	11-24-1999	NAVFAC - EFA	SUBMISSION OF THE FINAL	ADMIN RECORD	CLOSURE	015	CHOICE IMAGING
EFAW SER	<b>05-12-1998</b>	WEST	CONSTRUCTION CLOSURE REPORT, NON-		NTCRA	016	SOLUTIONS
612.11/L8133	NONE	D. WONG	TIME CRITICAL REMOVAL ACTION (NTCRA),		REMOVAL		181-03-0179
CORRESP	00.0	DISTRIBUTION	SITE 16 - CANS C-2 AREA AND SITE 15 -		SOIL		39 OF 46
NONE			SOIL REMOVAL AT TEMPORARY STORAGE				SW06050401
00002			AND TREATMENT AREA (W/OUT				41074200
			ENCLOSURE) [SEE AR #1509 - FINAL				
			CONSTRUCTION CLOSURE REPORT]				
N00236 / 000698	06-16-2003	TETRA TECH EM	TRACKING MEETING MINUTES FOR	ADMIN RECORD	MTG MINS	006	SOUTHWEST
TC.A021.10075	<b>06-16-1998</b>	INC.	ENVIRONMENTAL ACTIONS FOR THE 16			007	DIVISION - BLDG.
MM	DO 0021		JUNE 1998 MEETING	INFO		008	110
N68711-00-D-0005		NAVFAC -		REPOSITORY		015	181-03-0188
00020		SOUTHWEST				016	14 OF 17
		DIVISION				OU 1	BOX 14 - 03/29/06
							RF5258

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 001539	11-24-1999	TETRA TECH	DRAFT SITE 15 REMOVAL ACTION (RM)	REMOVED	RM	015		SOUTHWEST
	<b>07-01-1998</b>	HUTCHISON, NEAL	CLOSE-OUT REPORT					DIVISION - BLDG. 1
RPT	00258	NAVY						
N62474-88-D-5086	00.0	WONG, DENNIS						
00250								
N00236 / 001562	11-24-1999	TETRA TECH	FINAL SITE 15 REMOVAL ACTION (RM)	ADMIN RECORD	RM	015		SOUTHWEST
	<b>09-01-1998</b>	HUTCHISON, NEAL	CLOSE-OUT REPORT					DIVISION - BLDG.
RPT	00022	NAVY						110
N62474-94-D-7609	00.0	WONG, DENNIS						181-03-0179
00250								40 OF 46
								BOX 40 - 03/28/06
								41074200
N00236 / 001550	11-24-1999	DTSC	COMMENTS ON THE DRAFT SITE 15	ADMIN RECORD	RM	015		SOUTHWEST
	<b>09-03-1998</b>	CASSA, MARY	REMOVAL ACTION (RM) CLOSE-OUT					DIVISION - BLDG.
CMNT	NONE	ROSE	REPORT (JULY 1998)					110
NONE	00.0	NAVY						181-03-0179
00003		WONG, DENNIS						40 OF 46
								BOX 40 - 03/28/06
								41074200
N00236 / 001551	11-24-1999	USEPA	COMMENTS ON THE SITE 15 REMOVAL	ADMIN RECORD	RM	015		SOUTHWEST
	<b>09-03-1998</b>	COOK, ANNA-	ACTION (RM) CLOSE-OUT REPORT (27 JULY					DIVISION - BLDG.
CMNT	NONE	MARIE	1998)					110
NONE	00.0	NAVY						181-03-0179
00002		WONG, DENNIS						40 OF 46
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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001560	11-24-1999	NAVY	SUBMISSION OF THE FINAL SITE 15	ADMIN RECORD	RM	015	SOUTHWEST
	<b>10-07-1998</b>	WONG, DENNIS	REMOVAL ACTION (RM) CLOSE-OUT				DIVISION - BLDG.
LTR	00022	DTSC	REPORT AND RESPONSE TO COMMENTS				110
N62474-94-D-7609	00.0	CASSA, MARY	ON DRAFT				181-03-0179
00002		ROSE					40 OF 46
							BOX 40 - 03/28/06
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N00236 / 001561	11-24-1999	NAVY	RESPONSE TO COMMENTS TO THE DRAFT	ADMIN RECORD	RM	015	SOUTHWEST
	<b>10-07-1998</b>	WONG, DENNIS	SITE 15 REMOVAL ACTION (RM) CLOSE-OUT				DIVISION - BLDG.
RESP	00022	DTSC	REPORT				110
N62474-94-D-7609	00.0	CASSA, MARY					181-03-0179
00003		ROSE					40 OF 46
							BOX 40 - 03/28/06
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N00236 / 001621	11-24-1999	TETRA TECH EM	DRAFT OPERABLE UNIT (OU) 1 FEASIBILITY	ADMIN RECORD	FS	006	CHOICE IMAGING
NONE	<b>04-08-1999</b>	INC.	STUDY (FS) REPORT (APPENDIX A AND	CONFIDENTIAL	OU	007	SOLUTIONS
RPT	00166	M. SHARMA	PORTIONS OF THE COST ESTIMATE ARE			008	181-03-0179
N62474-94-D-7609	00.0	NAVFAC -	CONFIDENTIAL)			015	43 OF 46
00500		SOUTHWEST				016	SW06050402
		DIVISION				OU 1	41074200
		P. MCFADDEN					

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001680	01-21-2000	NAVFAC -	06 JULY 1999 DRAFT RESTORATION	ADMIN RECORD	FS	001	CHOICE IMAGING
NONE	<b>07-06-1999</b>	WESTERN	ADVISORY BOARD (RAB) MEETING	CONFIDENTIAL	RAB	002	SOLUTIONS
MM	NONE	DIVISION	SUMMARY (INCLUDES AGENDA, HANDOUTS		RI	006	181-03-0179
NONE	10.4		AND SIGN-IN SHEETS) [PORTION OF THE		TECH MEMO	007	45 OF 46
00050		NAVFAC -	SIGN-IN SHEET IS CONFIDENTIAL]		TPH	008	SW06050402
		WESTERN			UST	015	41074200
		DIVISION				016	
						017	
						025	
						BLDG. 400	
						BLDG. 5	
						OU 1	
						OU 2	
						OU 3	
						OU 4	
N00236 / 000713	06-16-2003	TETRA TECH EM	BASE REALIGNMENT AND CLOSURE (BRAC)	ADMIN RECORD	MTG MINS	015	SOUTHWEST
TC.A021.10075	<b>07-20-1999</b>	INC.	CLEANUP TEAM (BCT) MONTHLY TRACKING	INFO	RAB		DIVISION - BLDG.
MM	DO 0021		MEETING MINUTES FOR ENVIRONMENTAL	REPOSITORY			110
N68711-00-D-0005		NAVFAC -	ACTIONS FOR THE 20 JULY 1999 MEETING -				181-03-0188
00050		SOUTHWEST	INCLUDES ATTENDANCE LIST, AGENDA,				14 OF 17
		DIVISION	AND VARIOUS HANDOUTS				BOX 14 - 03/29/06
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N00236 / 000714	06-16-2003	TETRA TECH EM	BASE REALIGNMENT AND CLOSURE (BRAC)	ADMIN RECORD	MTG MINS	015	SOUTHWEST
TC.A021.10075	<b>08-17-1999</b>	INC.	CLEANUP TEAM (BCT) MONTHLY TRACKING	INFO		OU 2	DIVISION - BLDG.
MM	DO 0021		MEETING MINUTES FOR ENVIRONMENTAL	REPOSITORY			110
N68711-00-D-0005		NAVFAC -	ACTIONS FOR THE 17 AUGUST 1999				181-03-0188
00050		SOUTHWEST	MEETING - INCLUDES ATTENDANCE LIST,				14 OF 17
		DIVISION	AGENDA, AND VARIOUS HANDOUTS				BOX 14 - 03/29/06
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Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.	
Record Type	Record Date	Author					FRC/SWDIV Box No.	
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.	
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 001678	01-21-2000	NAVFAC -	DRAFT RESTORATION ADVISORY BOARD	ADMIN RECORD	BTEX	003	CHOICE IMAGING	
NONE	09-07-1999	WESTERN	(RAB) MEETING SUMMARY FOR 7		EBS	004	SOLUTIONS	
MM	NONE	DIVISION	SEPTEMBER 1999 (INCLUDES AGENDA,		RAB	005	181-03-0179	
NONE	10.4		HANDOUTS AND SIGN-IN SHEETS)		TPH	009	45 OF 46	
00050		NAVFAC -				010	SW060615-04	
		WESTERN				011	41074200	
		DIVISION				012		
						013		
						014		
						015		
						019		
						021		
						022		
						023		
						025		
						BLDG. 14		
						BLDG. 400		
						BLDG. 410		
						BLDG. 5		
						BLDG. 530		
						OU 2		

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Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.	
Record Type	Record Date	Author					FRC/SWDIV Box No.	
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.	
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 001676	01-21-2000	NAVFAC -	DRAFT RESTORATION ADVISORY BOARD	ADMIN RECORD	EBS	001	SOUTHWEST	
NONE	11-11-1999	SOUTHWEST	(RAB) MEETING SUMMARY OF 11		EIS	002	DIVISION - BLDG.	
MM	NONE	DIVISION	NOVEMBER 1999 (INCLUDES 11/2/99		FFA	004	110	
NONE	10.4		AGENDA, HANDOUTS AND SIGN-IN SHEETS)		FOSET	006	181-03-0179	
00030		NAVFAC -			FOST	007	45 OF 46	
		SOUTHWEST			GW	008	BOX 45 - 04/05/06	
		DIVISION			PCB	010	41074200	
					RAB	012		
					UXO	015		
					VOC	016		
						017		
						018		
						020		
						024		
						025		
						BLDG. 400		
						BLDG. 5		
						OU 1		
						OU 2		
						OU 3		
						OU 4		
N00236 / 001058	11-24-1999	NAS ALAMEDA	NOTIFICATION OF PUBLIC COMMENT	ADMIN RECORD	EE/CA	015	CHOICE IMAGING	
NONE	11-24-1999		PERIOD FOR THE ENGINEERING	INFO	PUBNOT		SOLUTIONS	
PUB NOTICE	NONE	PUBLIC INTEREST	EVALUATION/COST ANALYSIS (EE/CA)	REPOSITORY			181-03-0179	
NONE	00.0		REPORT				30 OF 46	
00001							SW06032302	
							41074200	

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000718 TC.A021.10075 MISC N68711-00-D-0005 00002	06-16-2003 <b>04-18-2000</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	BRAC CLEANUP TEAM MONTHLY TRACKING AGENDA FOR THE 18 APRIL 2000 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS	004 014 015	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258
N00236 / 000554 TC.A021.10074 MM N68711-00-D-0005 00010	06-11-2003 <b>05-02-2000</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 02 MAY 2000 MEETING	ADMIN RECORD	MTG MINS RAB	006 014 015 016 025 OU 1 OU 2 OU 3 OU 4	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000568 TC.A021.10074 MM N68711-00-D-0005 00010	06-11-2003 <b>07-11-2000</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 11 JULY 2000 MEETING	ADMIN RECORD	MTG MINS RAB VOC	015 023 025 OU 2 OU 2A OU 2B OU 2C OU 3 OU 4 OU 5	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000588 TC.A021.10074 MM N68711-00-D-0005 00008	06-11-2003 <b>08-01-2000</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 01 AUGUST 2000 MEETING	ADMIN RECORD	DCBZ MTG MINS PAH RAB TCE	003 006 007 008 014 015 016 OU 1 OU 2 OU 3 PARCEL 168	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000048 DS.0386.15569 & SWDIV SER 06CA.GC/1038 MEMO N62474-94-D-7609 00025	12-26-2000 <b>12-19-2000</b> 00386	TETRA TECH EM INC. A. DRISCOLL NAVFAC - SOUTHWEST DIVISION	DRAFT REMOVAL ACTION, ACTION MEMORANDUM ADDENDUM (INCLUDES TRANSMITTAL LETTER TO USEPA FROM G. CLARK) (SEE AR #88 - COMMENTS BY CRWQCB, #89 - COMMENTS BY DTSC, #90 - COMMENTS BY EPA, #246 - REVISED ADDENDUM & #1155 - FINAL ACTION MEMO)	ADMIN RECORD INFO REPOSITORY	ACTMEMO EE/CA OU PCB REMOVAL RI	015	SOUTHWEST DIVISION - BLDG. 110  BX-002
N00236 / 000593 TC.A021.10074 MM N68711-00-D-0005 00010	06-11-2003 <b>01-02-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 02 JANUARY 2001 MEETING	ADMIN RECORD	DDT MTG MINS PAH PCB RAB	002 015 OU 1 OU 3 OU 4	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000088 2199.9285 (LBJ) LTR NONE 00002	06-25-2001 <b>01-12-2001</b> NONE	CRWQCB - OAKLAND B. JOB NAVFAC - SOUTHWEST DIVISION M. MCCLELLAND	REVIEW AND COMMENTS ON THE DRAFT REMOVAL ACTION, ACTION MEMORANDUM ADDENDUM	ADMIN RECORD INFO REPOSITORY	ACTMEMO COMMENTS PCB REMOVAL	015	CHOICE IMAGING SOLUTIONS 181-03-0179 3 OF 46 SW06012302 41074200



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Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000692	06-17-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	004	SOUTHWEST
TC.A021.10075	<b>01-16-2001</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	TPH	009	DIVISION - BLDG.
MM	DO 0021		TRACKING MEETING MINUTES FOR THE	REPOSITORY		011	110
N68711-00-D-0005		NAVFAC -	AFTER ACTION REPORT FOR THE 09			015	181-03-0188
00010		SOUTHWEST	DECEMBER 1996 MEETING - INCLUDES			016	14 OF 17
		DIVISION	AGENDA			021	BOX 14 - 03/29/06
							RF5258
N00236 / 000089	06-25-2001	DTSC - BERKELEY	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	ACTMEMO	015	CHOICE IMAGING
NONE	<b>01-17-2001</b>	M. CASSA	REMOVAL ACTION, ACTION MEMORANDUM	CONFIDENTIAL	COMMENTS		SOLUTIONS
LTR	NONE	NAVFAC -	ADDENDUM (PORTION OF THE MAILING	INFO	PCB		181-03-0179
NONE		SOUTHWEST	LIST IS CONFIDENTIAL)	REPOSITORY	REMOVAL		3 OF 46
00002		DIVISION					SW06012302
		G. CLARK					41074200
N00236 / 000090	06-25-2001	USEPA - SAN	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	ACTMEMO	015	CHOICE IMAGING
NONE	<b>01-18-2001</b>	FRANCISCO	REMOVAL ACTION, ACTION MEMORANDUM	INFO	COMMENTS		SOLUTIONS
LTR	NONE	A. COOK	ADDENDUM	REPOSITORY	PCB		181-03-0179
NONE		NAVFAC -			REMOVAL		3 OF 46
00002		SOUTHWEST					SW06012302
		DIVISION					41074200
		G. CLARK					

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000594	06-11-2003	TETRA TECH EM	RESTORATION ADVISORY BOARD (RAB)	ADMIN RECORD	MTG MINS	004	SOUTHWEST
TC.A021.10074	<b>02-06-2001</b>	INC.	MEETING SUMMARY FOR THE 06		RAB	005	DIVISION - BLDG.
MM	DO 0021		FEBRUARY 2001 MEETING		TPH	006	110
N68711-00-D-0005		NAVFAC -			VOC	007	181-03-0188
00013		SOUTHWEST				008	13 OF 17
		DIVISION				009	BOX 13 - 05/09/06
						010	RF5258
						011	
						012	
						013	
						014	
						015	
						016	
						019	
						021	
						022	
						023	
						OU 1	
						OU 2A	
						OU 2B	
						OU 2C	
N00236 / 000074	03-29-2001	TETRA TECH EM	WETLAND DELINEATION WORK PLAN -	ADMIN RECORD	PCB	015	SOUTHWEST
TC.0166.10910 &	<b>03-26-2001</b>	INC.	INCLUDES SWDIV TRANSMITTAL LETTER	CONFIDENTIAL	SOIL		DIVISION - BLDG.
06CA.GC/0317	00166	C. HUNTER	BY G. CLARK (PORTIONS OF THE MAILING	INFO	WORK PLAN		110
PLAN		NAVFAC -	LIST ARE CONFIDENTIAL)	REPOSITORY			181-03-0179
N62474-94-D-7609		SOUTHWEST					2 OF 46
00011		DIVISION					BOX 2 - 01/09/06
		G. CLARK					41074200

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000596 TC.A021.10074 MM N68711-00-D-0005 00019	06-11-2003 <b>04-03-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 03 APRIL 2001 MEETING - INCLUDES MEETING AGENDA AND SIGN-IN SHEETS	ADMIN RECORD	DDT MTG MINS PAH RAB	014 015 017 024 025 OU 1 OU 2 OU 4	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000732 TC.A021.10075 MM N68711-00-D-0005 00010	06-17-2003 <b>04-17-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 17 APRIL 2001 MEETING - INCLUDES AGENDA	ADMIN RECORD INFO REPOSITORY	MTG MINS PAH TPH	002 015 OU 1 OU 2 OU 6 UST 608	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258
N00236 / 000182 TC.0166.10981 & SWDIV SER 06CA.GC/0511 RPT N62474-94-D-7609 00022	07-05-2001 <b>05-15-2001</b> 00166	TETRA TECH EM INC. C. HUNTER NAVFAC - SOUTHWEST DIVISION G. CLARK	WETLAND DELINEATION REPORT [INCLUDES SWDIV TRANSMITTAL LETTER BY G. CLARK] (PORTION OF THE MAILING LIST IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	DELINEATION	015	CHOICE IMAGING SOLUTIONS 181-03-0179 9 OF 46 SW06022301 41074200
N00236 / 000737 TC.A021.10075 MM N68711-00-D-0005 00016	06-17-2003 <b>07-17-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 17 JULY 2001 MEETING - INCLUDES AGENDA AND SIGN-IN SHEET	ADMIN RECORD INFO REPOSITORY	MTG MINS PAH	015 023 025 026 027 028	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258

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Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000231 DS.0386.15563 & SWDIV SER 06CA.GC/0868 PLAN N62474-94-D-7609 00250	09-21-2001 <b>07-23-2001</b> 00386	TETRA TECH EM INC. A. DRISCOLL NAVFAC - SOUTHWEST DIVISION G. CLARK	DRAFT FIELD SAMPLING PLAN/QUALITY ASSURANCE PROJECT PLAN (FSP/QAPP) FOR REMOVAL ACTION CONFIRMATION SAMPLING [INCLUDES SWDIV TRANSMITTAL LETTER BY G. CLARK] (PORTION OF THE MAILING LIST IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	DQO FSP QAPP REMOVAL	005 014 015	CHOICE IMAGING SOLUTIONS 181-03-0179 11 OF 46 SW06032301 41074200
N00236 / 000208 1477.1 & SWDIV SER 06CA.GC/0761 PLAN N62474-98-D-2076 00240	08-09-2001 <b>07-26-2001</b> 00071	IT CORPORATION  NAVFAC - SOUTHWEST DIVISION	DRAFT PROJECT PLANS, SOIL REMOVAL ACTIONS, REVISION 1 (INCLUDES SWDIV TRANSMITTAL LETTER BY G. CLARK) [PORTION OF THE MAILING LIST IS CONFIDENTIAL]	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	H&SP REMOVAL SAP SOIL WORK PLAN	005 014 015	CHOICE IMAGING SOLUTIONS 181-03-0179 10 OF 46 SW06022301 41074200
N00236 / 000246 DS.0386.15765 & SWDIV SER 06CA.GC/0868 MISC N62474-94-D-7609 00300	10-10-2001 <b>08-24-2001</b> 00386	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	REVISED DRAFT LEAD NON-TIME CRITICAL REMOVAL ACTION, ACTION MEMORANDUM ADDENDUM - INCLUDES SWDIV TRANSMITTAL LETTER BY G. CLARK (A PORTION OF THE MAILING LIST IS CONFIDENTIAL) (SEE AR #48 - DRAFT ADDENDUM, DATED 12/19/00 & #1155 - FINAL ACTION MEMORANDUM)	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	ACTMEMO LEAD NTCRA PCB REMOVAL ACTIO TOC	015	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 12 OF 46 41074200
N00236 / 000247 SWDIV SER 06CA.GC/1033 CORRESP NONE 00003	10-10-2001 <b>09-27-2001</b> NONE	NAVFAC - SOUTHWEST DIVISION G. CLARK DTSC - BERKELEY D. MURPHY	NAVY'S REQUEST FOR DTSC TO IDENTIFY POTENTIAL STATE APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARARS) FOR CLEAN UP	ADMIN RECORD INFO REPOSITORY	ARAR	014 015	CHOICE IMAGING SOLUTIONS 181-03-0179 12 OF 46 SW06030901 41074200

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000347	03-14-2002	DTSC, BERKELEY, CA	RESPONSE TO NAVYS REQUEST FOR IDENTIFICATION OF STATE APPLICABLE OR	ADMIN RECORD	ARAR	014	CHOICE IMAGING
NONE	10-02-2001	D. MURPHY	RELEVANT AND APPROPRIATE	INFO		015	SOLUTIONS
LTR	NONE	NAVFAC -	REQUIREMENTS (ARAR) FOR REMOVAL	REPOSITORY			181-03-0188
NONE		SOUTHWEST	ACTIONS				1 OF 17
00002		DIVISION					SW060615-01
		G.CLARK					RF5258
N00236 / 000265	11-02-2001	USEPA - SAN FRANCISCO	EPA COMMENTS ON DRAFT PROJECT	ADMIN RECORD	COMMENTS	005	CHOICE IMAGING
NONE	10-12-2001	A. COOK	PLANS, SOIL REMOVAL ACTIONS AT SITES	INFO	REMOVAL	014	SOLUTIONS
COMMENTS	NONE	NAVFAC -	5, 14, AND 15	REPOSITORY	SOIL	015	181-03-0179
NONE		SOUTHWEST					13 OF 46
00005		DIVISION					SW06030901
		G. CLARK					41074200
N00236 / 000739	06-17-2003	TETRA TECH EM INC.	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	002	SOUTHWEST
TC.A021.10075	10-16-2001		(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	TPH	014	DIVISION - BLDG.
MM	DO 0021	NAVFAC -	TRACKING MEETING MINUTES FOR THE	REPOSITORY		015	110
N68711-00-D-0005		SOUTHWEST	AFTER ACTION REPORT FOR THE 16			026	181-03-0188
00050		DIVISION	OCTOBER 2001 MEETING - INCLUDES				15 OF 17
			AGENDA, SIGN-IN SHEET, AND VARIOUS				BOX 15 - 06/07/06
			HANDOUTS				RF5258
N00236 / 000348	03-14-2002	NAVFAC -	NAVY'S REPOSENSE TO DTSC LETTER DATED	ADMIN RECORD	ARAR	014	CHOICE IMAGING
SWDIV SER	10-30-2001	SOUTHWEST	10/02/01 REQUESTING DIRECTION ON	INFO		015	SOLUTIONS
06CA.GC/1160	NONE	DIVISION	DOCUMENTATION FOR IDENTIFICATION OF	REPOSITORY			181-03-0188
LTR		G. CLARK	STATE APPLICABLE OR RELEVANT AND				1 OF 17
NONE		DTSC,	APPROPRIATE REQUIREMENTS (ARAR)				SW060615-01
00001		BERKELEY, CA	FOR REMOVAL ACTIONS				RF5258
		D. MURPHY					

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000298 SWDIV SER 06CA.GC\1180 LTR NONE 00002	12-06-2001 <b>11-06-2001</b> NONE	NAVFAC - SOUTHWEST DIVISION G. CLARK U.S. EPA, SAN FRANCISCO, CA A. COOK	COMMENTS FROM MEETING OF 16 OCTOBER 2001 BETWEEN NAVY AND BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) DETERMINING THAT REMOVAL ACTION FOR LEAD IS NO LONGER WARRANTED AND THEREFORE WILL NOT BE PERFORMED	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	LEAD REMOVAL	015	CHOICE IMAGING SOLUTIONS 181-03-0179 14 OF 46 SW06022302 41074200
N00236 / 000295 2914 MISC N62474-98-D-2076 00009	12-03-2001 <b>11-15-2001</b> 00071	IT CORPORATION  NAVFAC - SOUTHWEST DIVISION	RESPONSE TO EPA COMMENTS ON DRAFT PROJECT PLANS, SOIL REMOVAL ACTIONS AT SITES 5, 14, AND 15 (SEE AR #265 - EPA COMMENTS) (AN ADDRESS ON THE DISTRIBUTION IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	COMMENTS DQO METALS REMEDIAL ACTIO REMOVAL RESPONSE SOIL SOIL BORING WATER	005 014 015	CHOICE IMAGING SOLUTIONS 181-03-0179 13 OF 46 SW06030901 41074200
N00236 / 000303 3044 & SWDIV SER 06CA.GC/1264 PLAN N62474-98-D-2076 00250	12-10-2001 <b>11-30-2001</b> 00071	IT CORPORATION J. MCGUIRE NAVFAC - SOUTHWEST DIVISION	FINAL PROJECT PLANS - WORK PLAN, QUALITY CONTROL PLAN, SAMPLING & ANALYSIS PLAN, & SITE HEALTH & SAFETY PLAN, SOIL REMOVAL ACTIONS - REVISION 0 (INCLUDES SWDIV TRANSMITTAL LETTER BY G. CLARK) [PORTION OF THE MAILING LIST IS CONFIDENTIAL]	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	H&SP PCB REMOVAL SAP SOIL SVOC VOC WORK PLAN	005 014 015	CHOICE IMAGING SOLUTIONS 181-03-0179 14 OF 46 SW06022302 41074200
N00236 / 000741 TC.A021.10075 MM N68711-00-D-0005 00010	06-17-2003 <b>12-18-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 18 DECEMBER 2001 MEETING - INCLUDES AGENDA	ADMIN RECORD INFO REPOSITORY	MTG MINS	004 007 013 014 015 025	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000612 TC.A021.10074 MM N68711-00-D-0005 00030	06-12-2003 <b>01-08-2002</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	DRAFT RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 08 JANUARY 2002 MEETING - INCLUDES MEETING AGENDA, SIGN-IN SHEETS, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	B(A)P DDT MTG MINS PCB RAB TPH	005 014 015 025 BLDG. 195	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000742 TC.A021.10075 MM N68711-00-D-0005 00040	06-17-2003 <b>01-15-2002</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 15 JANUARY 2002 MEETING - INCLUDES AGENDA, SIGN-IN SHEET, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	MTG MINS	005 014 015 025 028	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258
N00236 / 000743 TC.A021.10075 MM N68711-00-D-0005 00100	06-17-2003 <b>02-19-2002</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 19 FEBRUARY 2002 MEETING - INCLUDES AGENDA, SIGN-IN SHEET, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	MTG MINS PAH	005 014 015 OU 4B OU 4C	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258
N00236 / 000353 SWDIV SER 026CA.GC/0184 LTR NONE 00002	03-14-2002 <b>02-26-2002</b> NONE	NAVFAC - SOUTHWEST DIVISION G. CLARK DTSC, BERKELEY, CA M. LIAO	IDENTIFICATION OF STATE CHEMICAL- SPECIFIC, ACTION-SPECIFIC AND LOCATION-SPECIFIC APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARAR)	ADMIN RECORD INFO REPOSITORY	ARAR	014 015	CHOICE IMAGING SOLUTIONS 181-03-0188 1 OF 17 SW060615-01 RF5258

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000617	06-12-2003	TETRA TECH EM	DRAFT RESTORATION ADVISORY BOARD	ADMIN RECORD	MTG MINS	004	SOUTHWEST
TC.A021.10074	<b>03-05-2002</b>	INC.	(RAB) MEETING SUMMARY FOR THE 05	INFO	PAH	005	DIVISION - BLDG.
MM	DO 0021		MARCH 2002 MEETING - INCLUDES	REPOSITORY	RAB	014	110
N68711-00-D-0005		NAVFAC -	MEETING AGENDA, SIGN-IN SHEETS, AND		TPH	015	181-03-0188
00030		SOUTHWEST	VARIOUS HANDOUTS			018	13 OF 17
		DIVISION				028	BOX 13 - 05/09/06
						OU 1	RF5258
						OU 3	
N00236 / 000746	06-17-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTBE	014	SOUTHWEST
TC.A021.10075	<b>03-26-2002</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	MTG MINS	015	DIVISION - BLDG.
MM	DO 0021		TRACKING MEETING MINUTES FOR THE	REPOSITORY	TPH	025	110
N68711-00-D-0005		NAVFAC -	AFTER ACTION REPORT FOR THE 26				181-03-0188
00030		SOUTHWEST	MARCH 2002 MEETING - INCLUDES				15 OF 17
		DIVISION	AGENDA, SIGN-IN SHEET, AND VARIOUS				BOX 15 - 06/07/06
			HANDOUTS				RF5258
N00236 / 000747	06-17-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTBE	001	SOUTHWEST
TC.A021.10075	<b>04-16-2002</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	MTG MINS	002	DIVISION - BLDG.
MM	DO 0021		TRACKING MEETING MINUTES FOR THE	REPOSITORY	PAH	004	110
N68711-00-D-0005		NAVFAC -	AFTER ACTION REPORT FOR THE 16 APRIL			009	181-03-0188
00100		SOUTHWEST	2002 MEETING - INCLUDES AGENDA, SIGN-			011	15 OF 17
		DIVISION	IN SHEET, AND VARIOUS HANDOUTS			014	BOX 15 - 06/07/06
						015	RF5258
						016	
						021	
						026	
						OU 1	
						OU 2	



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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000748	06-17-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	014	SOUTHWEST
TC.A021.10075	<b>05-21-2002</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	PAH	015	DIVISION - BLDG.
MM	DO 0021		TRACKING MEETING MINUTES FOR THE	REPOSITORY	TPH		110
N68711-00-D-0005		NAVFAC -	AFTER ACTION REPORT FOR THE 21 MAY				181-03-0188
00040		SOUTHWEST	2002 MEETING - INCLUDES AGENDA, SIGN-				15 OF 17
		DIVISION	IN SHEET, AND VARIOUS HANDOUTS				BOX 15 - 06/07/06
							RF5258

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Record Type	Record Date	Author					FRC Warehouse Loc.
Contr./Guid. No.	CTO No.	Recipient Affil.					CD No.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	
N00236 / 000367	06-18-2002	NAVFAC -	TRANSMITTAL OF THE DRAFT SITE	ADMIN RECORD	BCT	001	SOUTHWEST
SWDIV SER	<b>06-14-2002</b>	SOUTHWEST	MANAGEMENT PLAN AMENDMENT IN	INFO	BRAC	002	DIVISION - BLDG.
06CA.AD/0624	NONE	DIVISION	ACCORDANCE WITH THE FEDERAL	REPOSITORY	CHARACTERIZATI	006	110
PLAN		A. DICK	FACILITIES AGREEMENT FOR ACTIVITY		COMMENTS	007	181-03-0188
NONE		US EPA - SAN			CRP	008	2 OF 17
00035		FRANCISCO			FFA	009	BOX 2 - 04/21/06
		A. COOK			FS	013	RF5258
					GW	014	
					ORDNANCE	015	
					RD	016	
					RESPONSE	017	
					RI	019	
					ROD	020	
					SEDIMENTS	022	
					SMP	023	
					SOIL	024	
					TECH MEMO	025	
					UXO	026	
					WORK PLAN	027	
						028	
						029	
						AREA 1	
						AREA 2	
						AREA 3	
						OU 1	
						OU 2A	
						OU 2B	
						OU 2C	
						OU 3	
						OU 4A	
						OU 4B	
						OU 4C	
						OU 5	
						OU 6	

UIC No. / Rec. No.								Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.	
Record Type	Record Date	Author					FRC/SWDIV Box No.	
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.	
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 000406	08-06-2002	TETRA TECH EM	DATA SUMMARY REPORT - SUPPLEMENTAL	ADMIN RECORD	BGS	003	CHOICE IMAGING	
DS.0385.15645	<b>07-25-2002</b>	INC.	REMEDIAL INVESTIGATION DATA GAPS	INFO	BTEX	004	SOLUTIONS	
RPT	00385	N. HUTCHISON	SAMPLING FOR OPERABLE UNITS 1 & 2, (OU	REPOSITORY	CHARACTERIZATI	005	181-03-0188	
N62474-94-D-7609		NAVFAC -	1, OU 2) VOLUMES 1-3		COC	006	3-4 OF 17	
01500		SOUTHWEST			CYANIDE	009	SW060615-01 &	
		DIVISION			DATA	013	SW060615-02	
		G. LORTON			DCA	014	RF5258	
					DCE	015		
					DQO	016		
					GW	019		
					PCB	021		
					PCE	022		
					REMOVAL	023		
					RI	BLDG. 14		
					SEDIMENTS	BLDG. 162		
					SOIL	BLDG. 397		
					SVOC	BLDG. 398		
					TCE	BLDG. 400		
					TEPH	BLDG. 41		
					TPH	BLDG. 410		
					UST	BLDG. 497		
					VOC	BLDG. 5		
						BLDG. 528		
						BLDG. 608		
						OU 1		
						OU 2		
						OU 2A		
						OU 2B		
						OU 2C		

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000421	08-29-2002	TETRA TECH EM	DRAFT REMEDIAL INVESTIGATION REPORT	ADMIN RECORD	ARAR	014	CHOICE IMAGING
NONE	<b>08-15-2002</b>	INC.	FOR THE FORMER FIRE-FIGHTER TRAINING	INFO	ARSENIC	015	SOLUTIONS
RPT	DO 32	C. HUNTER	AREA AND THE FORMER TRANSFORMER	REPOSITORY	AST	BLDG. 120	181-03-0188
N68711-00-D-0005		NAVFAC -	STORAGE AREA, VOLUMES I & II [INCLUDES		BCT	BLDG. 121	5 OF 17
01300		SOUTHWEST	SWDIV TRANSMITTAL LETTER FROM G.		BGS	BLDG. 122	SW060601-01
		DIVISION	CLARK]		BRAC	BLDG. 179	RF5258
		G. CLARK			BTEX	BLDG. 206	
					CAA	BLDG. 207	
					CANCER	BLDG. 26	
					COC	BLDG. 27	
					COPC	BLDG. 283	
					DCE	BLDG. 301	
					DDD	BLDG. 388	
					DDT	BLDG. 389	
					DQO	BLDG. 443	
					EDB	BLDG. 528	
					ERA	OU 1	
					FS		
					GW		
					METALS		
					PAH		
					PCB		
					PCE		
					PRG		
					RFA		
					RI		
					SOIL		
					SVOC		
					TCDD		
					TCE		
					TOC		
					TPH		
					UST		
					VOC		

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000412	08-29-2002	TETRA TECH EM	DRAFT SUPPLEMENTAL ENVIRONMENTAL	ADMIN RECORD	ASBESTOS	001	SOUTHWEST
TC.0190.11423 -	<b>08-16-2002</b>	INC.	BASELINE SURVEY (SEE AR #1054 - EBS)	INFO	AST	002	DIVISION - BLDG. 1
MOD. 2	00190	G. FOULK		REPOSITORY	BCP	003	181-03-0188
RPT		NAVFAC -			BCT	004	4 OF 17
N62474-94-D-7609		SOUTHWEST			BGS	005	BOX 4 OF 17 -
00400		DIVISION			BRAC	006	CHECKED OUT BY
					CAA	007	L. O'CAMPO ON
					DDT	008	9/22/04 (X 2-0969)
					EBS	009	RF5258
					EIS	010	
					EOD	011	
					FOST	012	
					FS	013	
					GW	014	
					HAZ WASTE	015	
					LUST	016	
					MEK	017	
					NFA	019	
					NPL	020	
					ORDNANCE	021	
					PAH	022	
					PCB	023	
					RCRA	024	
					REMEDIAL ACTIO	025	
					RFA	026	
					RFI	027	
					RI	028	
					ROD	029	
					SOIL	OU 1	
					SVOC	OU 2A	
					SWMU	OU 2B	
					TPH	OU 2C	
					TSCA	OU 3	
					UST	OU 4A	
					VOC	OU 4B	

UIC No. / Rec. No.								Location
Doc. Control No.	Prc. Date	Author Affil.						FRC Access. No.
Record Type	Record Date	Author						FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.						FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
					WATER	OU 4C OU 5 OU 6		
N00236 / 000751 TC.A021.10075 MM N68711-00-D-0005 00050	06-17-2003 <b>08-20-2002</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 20 AUGUST 2002 MEETING - INCLUDES AGENDA, SIGN-IN SHEET, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	MTG MINS	009 011 014 015 016 020 021 028 OU 5	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258	
N00236 / 000624 TC.A021.10074 MM N68711-00-D-0005 00040	06-12-2003 <b>09-10-2002</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 10 SEPTEMBER 2002 MEETING - INCLUDES MEETING AGENDA, SIGN-IN SHEETS, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	B(A)P MTG MINS PAH PCB RAB	014 015 OU 3 OU 5	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258	
N00236 / 001918 NONE CORRESP NONE 00007	01-05-2005 <b>09-19-2002</b> NONE	HERD - SACRAMENTO J. POLISINI DTSC - BERKELEY M. LIAO	REVIEW AND COMMENT ON THE DRAFT REMEDIAL INVESTIGATION REPORT	ADMIN RECORD INFO REPOSITORY	COMMENTS GW PAH PCBS TCDD	014 015 OU 1	CHOICE IMAGING SOLUTIONS  SW060615-04	

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000625	06-12-2003	TETRA TECH EM	FINAL RESTORATION ADVISORY BOARD	ADMIN RECORD	DCA	001	SOUTHWEST
TC.A021.10074	<b>10-01-2002</b>	INC.	(RAB) MEETING SUMMARY FOR THE 01	INFO	DCE	014	DIVISION - BLDG.
MM	DO 0021		OCTOBER 2002 MEETING - INCLUDES	REPOSITORY	MTG MINS	015	110
N68711-00-D-0005		NAVFAC -	MEETING AGENDA, SIGN-IN SHEETS, AND		PAH	032	181-03-0188
00030		SOUTHWEST	VARIOUS HANDOUTS		PCB	OU 3	13 OF 17
		DIVISION			RAB	OU 5	BOX 13 - 05/09/06
					TCE		RF5258
					VOC		
N00236 / 001920	01-05-2005	RAB - SAN	COMMENTS ON THE REMEDIAL	ADMIN RECORD	ARSENIC	014	SOUTHWEST
NONE	<b>10-03-2002</b>	FRANCISCO	INVESTIGATION	INFO	BACKGROUND	015	DIVISION - BLDG. 1
CORRESP	NONE	L. LOIZOS		REPOSITORY	COMMENTS		
NONE		NAVFAC -			GAS		
00004		SOUTHWEST			GW		
		DIVISION			SOIL		
		G. CLARK					
N00236 / 001980	03-09-2005		COMMENTS ON THE REMEDIAL	ADMIN RECORD	RI	014	SOUTHWEST
NONE	<b>10-04-2002</b>	D. SMITH	INVESTIGATION (RI)			015	DIVISION - BLDG. 1
CORRESP	NONE	NAVFAC -					
NONE		SOUTHWEST					
00002		DIVISION					
		G. CLARK					

UIC No. / Rec. No.						Location	
Doc. Control No.	Prc. Date	Author Affil.				FRC Access. No.	
Record Type	Record Date	Author				FRC/SWDIV Box No.	
Contr./Guid. No.	CTO No.	Recipient Affil.				FRC Warehouse Loc.	
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000436	10-31-2002	TETRA TECH EM	DRAFT TECHNICAL MEMORANDUM:	ADMIN RECORD	AOC	001	CHOICE IMAGING
DS.A033.10075	<b>10-08-2002</b>	INC.	EVALUATION OF ISSUES RELATED TO THE	CONFIDENTIAL	ARAR	002	SOLUTIONS
MEMO	DO A033	B. KELLY	RESOURCE CONSERVATION AND	INFO	AST	003	181-03-0188
N68711-00-D-0005		NAVFAC -	RECOVERY ACT; FACILITY PERMIT EPA ID	REPOSITORY	BCT	004	6 OF 17
00300		SOUTHWEST	CA 2170023236, TIERED PERMITS, AND THE		BRAC	006	SW060601-02
		DIVISION	NONPERMITTED AREAS [INCLUDES SWDIV		EBS	007	RF5258
		L. OCAMPO	TRANSMITTAL LETTER FROM L. OCAMPO]		GW	008	
					HAZ WASTE	009	
					NFA	013	
					PERMIT	014	
					RCRA	015	
					RFA	016	
					RFI	019	
					SOIL	020	
					SWMU	022	
					TECH MEMO	023	
					TPH	025	
					UST	026	
					WATER	027	
					WWTP	028	
						BLDG. 13	
						OU 1	
						OU 2A	
						OU 2B	
						OU 2C	
						OU 3	
						OU 4A	
						OU 4B	
						OU 4C	
						OU 5	
						OU 6	



UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000752	06-17-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	005	SOUTHWEST
TC.A021.10075	<b>10-15-2002</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO		006	DIVISION - BLDG.
MM	DO 0021		TRACKING MEETING MINUTES FOR THE	REPOSITORY		007	110
N68711-00-D-0005		NAVFAC -	AFTER ACTION REPORT FOR THE 15			011	181-03-0188
00020		SOUTHWEST	OCTOBER 2002 MEETING - INCLUDES			013	15 OF 17
		DIVISION	AGENDA, SIGN-IN SHEET, AND VARIOUS			014	BOX 15 - 06/07/06
			HANDOUTS			015	RF5258
						025	
						OU 1	
						OU 2A	
N00236 / 001917	01-05-2005	DTSC - BERKELEY	REVIEW AND COMMENT ON THE DRAFT	ADMIN RECORD	COMMENTS	014	CHOICE IMAGING
NONE	<b>10-15-2002</b>	M. LIAO	REMEDIAL INVESTIGATION REPORT FOR	INFO	RI	015	SOLUTIONS
CORRESP	NONE	NAVFAC -	OPERABLE UNIT 1 (OU 1)	REPOSITORY		OU 1	
NONE		SOUTHWEST					SW060615-04
00010		DIVISION					
		G. CLARK					
N00236 / 001924	01-05-2005	U.S. EPA - SAN	REVIEW AND COMMENT ON THE DRAFT	ADMIN RECORD	COMMENTS	014	CHOICE IMAGING
NONE	<b>10-18-2002</b>	FRANCISCO	REMEDIAL INVESTIGATION REPORT	INFO	GW	015	SOLUTIONS
CORRESP	NONE	A. COOK		REPOSITORY	SOIL		
NONE		NAVFAC -					SW060615-04
00013		SOUTHWEST					
		DIVISION					
		G. CLARK					
N00236 / 000626	06-12-2003	TETRA TECH EM	FINAL RESTORATION ADVISORY BOARD	ADMIN RECORD	MTG MINS	001	SOUTHWEST
TC.A021.10074	<b>11-05-2002</b>	INC.	(RAB) MEETING SUMMARY FOR THE 05	INFO	RAB	014	DIVISION - BLDG.
MM	DO 0021		NOVEMBER 2002 MEETING - INCLUDES	REPOSITORY	TPH	015	110
N68711-00-D-0005		NAVFAC -	MEETING AGENDA, SIGN-IN SHEETS, AND				181-03-0188
00014		SOUTHWEST	VARIOUS HANDOUTS				13 OF 17
		DIVISION					BOX 13 - 05/09/06
							RF5258

UIC No. / Rec. No.								Location
Doc. Control No.	Prc. Date	Author Affil.						FRC Access. No.
Record Type	Record Date	Author						FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.						FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 000444	11-27-2002	TETRA TECH EM	COMPILED RESPONSES TO COMMENTS ON	ADMIN RECORD	AWQC	014	CHOICE IMAGING	
TC.A032.10023 &	11-21-2002	INC.	THE DRAFT REMEDIAL INVESTIGATION	CONFIDENTIAL	CANCER	015	SOLUTIONS	
SWDIV SER	DO 0032		REPORT FOR THE FORMER FIRE-FIGHTER	INFO	COMMENTS	BLDG. 120	181-03-0188	
06CA.GC\0174		U.S. EPA - SAN	TRAINING AREA AND THE FORMER	REPOSITORY	COPC	BLDG. 121	6 OF 17	
MISC		FRANCISCO	TRANSFORMER STORAGE AREA		COPEC	BLDG. 122	SW060601-02	
N68711-00-D-0005		A. COOK	[INCLUDES SWDIV TRANSMITTAL LETTER		DCA	BLDG. 26	RF5258	
00061			FROM G. CLARK] {PORTION OF MAILING		DCE	BLDG. 388		
			LIST IS CONFIDENTIAL}		ERA	BLDG. 528		
					GW	OU 1		
					METALS			
					MW			
					NFA			
					PAH			
					PRG			
					RESPONSE			
					RI			
					SOIL			
					SOIL BORING			
					SOLVENTS			
					TCDD			
					TOC			
					VOC			
					WELLS			

UIC No. / Rec. No.								Location	
Doc. Control No.	Prc. Date	Author Affil.							FRC Access. No.
Record Type	Record Date	Author							FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.							FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.		
N00236 / 000456	01-29-2003	DTSC - BERKELEY	COMMENTS ON THE DRAFT TECHNICAL	ADMIN RECORD	AOC	001	CHOICE IMAGING		
NONE	12-16-2002	M. LIAO	MEMORANDUM: EVALUATION OF ISSUES	INFO	COMMENTS	002	SOLUTIONS		
MISC	NONE	NAVFAC -	RELATED TO THE RESOURCE	REPOSITORY	EBS	003	181-03-0188		
NONE		SOUTHWEST	CONSERVATION AND RECOVERY ACT (SEE		HAZ WASTE	004	10 OF 17		
00007		DIVISION	AR #436 - TECH MEMO)		NFA	006	SW060615-02		
		L. OCAMPO			RCRA	007	RF5258		
					RFA	008			
					SWMU	009			
					TECH MEMO	013			
					TPH	014			
					UST	015			
						016			
						019			
						020			
						022			
						023			
						025			
						027			
						028			
						OU 1			
						OU 2A			
						OU 2B			
						OU 2C			
						OU 3			
						OU 4A			
						OU 4B			
						OU 4C			
						OU 5			
						OU 6			

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001028	08-20-2003	TETRA TECH EM	FINAL RESTORATION ADVISORY BOARD	ADMIN RECORD	MTG MINS	014	SOUTHWEST
TC.A021.10126	<b>01-07-2003</b>	INC.	(RAB) MEETING MINUTES SUMMARY FOR	INFO		015	DIVISION - BLDG. 1
MTG MINS	DO 0021		THE 07 JANUARY 2003 MEETING -	REPOSITORY		OU 3	
N68711-00-D-0005		NAVFAC -	INCLUDES AGENDA, SIGN-IN SHEETS AND				SW05072801
00020		SOUTHWEST	HANDOUT MATERIALS				
		DIVISION					
N00236 / 000995	08-20-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	001	SOUTHWEST
TC.A021.10125	<b>01-21-2003</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	PAH	005	DIVISION - BLDG.
MM	DO 0021		TRACKING MEETING MINUTES AFTER	REPOSITORY	PCE	007	110
N68711-00-D-0005		NAVFAC -	ACTION REPORT FOR THE 21 JANUARY		TCE	009	
00030		SOUTHWEST	2003 - INCLUDES AGENDA, SIGN-IN SHEET,		VC	011	BX-001
		DIVISION	AND HANDOUT MATERIALS			013	
						014	
						015	
						016	
						017	
						020	
						021	
						027	
						028	
						029	
						OU 5	
N00236 / 000999	08-20-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	009	SOUTHWEST
TC.A021.10125	<b>02-18-2003</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	PCE	011	DIVISION - BLDG. 1
MM	DO 0021		TRACKING MEETING MINUTES AFTER	REPOSITORY	TCE	014	
N68711-00-D-0005		NAVFAC -	ACTION REPORT FOR THE 18 FEBRUARY		TPH	015	
00020		SOUTHWEST	2003 - INCLUDES AGENDA, SIGN-IN SHEET,		VOC	016	SW05072801
		DIVISION	AND HANDOUT MATERIALS			021	
						027	
						028	
						OU 1	
						OU 2A	
						OU 2B	

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000475	03-10-2003	TETRA TECH EM	DRAFT FINAL REMEDIAL INVESTIGATION	ADMIN RECORD	BAP	014	CHOICE IMAGING
SWDIV SER	<b>02-28-2003</b>	INC.	REPORT VOLUME 1 AND 2 - INCLUDES	INFO	BTEX	015	SOLUTIONS
06CA.GC\0491	00033	G. HUNTER	SWDIV TRANSMITTAL LETTER SIGNED BY	REPOSITORY	DCA		181-03-0188
RPT		NAVFAC -	G. CLARK		DCE		11 OF 17
NONE		SOUTHWEST			DDT		SW060615-02
02200		DIVISION			PAH		RF5258
					PCB		
					PCE		
					TCE		
					TOC		
					TPH		
					VOC		
N00236 / 001000	08-20-2003	TETRA TECH EM	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	004	SOUTHWEST
TC.A021.10125	<b>04-15-2003</b>	INC.	(BRAC) CLEANUP TEAM (BCT) MONTHLY	INFO	PAH	005	DIVISION - BLDG. 1
MM	DO 0021		TRACKING MEETING MINUTES AFTER	REPOSITORY	VOC	014	
N68711-00-D-0005		NAVFAC -	ACTION REPORT FOR THE 15 APRIL 2003 -			015	
00030		SOUTHWEST	INCLUDES AGENDA, SIGN-IN SHEET, AND			OU 1	SW05072801
		DIVISION	HANDOUT MATERIALS			OU 2A	
						OU 2B	
						OU 5	

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000510	06-10-2003	TETRA TECH EM	FINAL REMEDIAL INVESTIGATION REPORT	ADMIN RECORD	B(A)P	014	CHOICE IMAGING
DS.A032.10630 &	<b>06-06-2003</b>	INC.	(CONSISTS OF 2 VOLUMES) - INCLUDES	CONFIDENTIAL	BTEX	015	SOLUTIONS
SWDIV SER	DO 0032	C. HUNTER	SWDIV TRANSMITTAL LETTER BY G. CLARK	INFO	DCA		181-03-0188
06CA.GC/0812		NAVFAC -	WITH CONFIDENTIAL DISTRIBUTION LIST	REPOSITORY	DCE		12-13 OF 17
RPT		SOUTHWEST			DDT		SW060601-04
N68711-00-D-0005		DIVISION			DDTT		RF5258
03000		G. CLARK			PAH		
					PCB		
					PCE		
					SVOC		
					TCDD		
					TCE		
					TDS		
					TOC		
					TPH		
					VOC		

UIC No. / Rec. No.								Location	
Doc. Control No.	Prc. Date	Author Affil.							FRC Access. No.
Record Type	Record Date	Author							FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.							FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.		
N00236 / 000772	08-04-2003	NAVFAC -	ALAMEDA POINT FOCUS ENVIRONMENTAL	ADMIN RECORD		001	SOUTHWEST		
NONE	07-01-2003	SOUTHWEST	JULY 2003 NEWSLETTER			002	DIVISION - BLDG.		
MISC	NONE	DIVISION				003	110		
NONE		M. MCCLELLAND				004	181-03-0188		
00016		GENERAL PUBLIC				005	16 OF 17		
						006	BOX 16 - 06/07/06		
						007	RF5258		
						008			
						009			
						010			
						011			
						012			
						013			
						014			
						015			
						016			
						017			
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Record Type	Record Date	Author					FRC/SWDIV Box No.
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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001802	04-22-2004	SULTECH	FINAL RESTORATION ADVISORY BOARD	ADMIN RECORD	MTG MINS	013	SOUTHWEST
TC.B010.10187	<b>07-01-2003</b>		(RAB) MEETING SUMMARY FOR THE 01	INFO		014	DIVISION - BLDG. 1
MM	00010	NAVFAC -	JULY 2003 MEETING - INCLUDES MEETING	REPOSITORY		015	
N68711-03-D-5104		SOUTHWEST	AFENDA, SIGN-IN SHEETS, AND VARIOUS			PARCEL EDC	
00020		DIVISION	HANDOUTS				
N00236 / 001988	03-10-2005	DTSC - BERKELEY	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	CERCLA	003	CHOICE IMAGING
NONE	<b>07-15-2003</b>	M. LIAO	WORK PLAN (WP) FOR THE ASSESSMENT		EBS	004	SOLUTIONS
CORRESP	NONE	NAVFAC -	OF POLYCYCLIC AROMATIC		PAH	005	
NONE		SOUTHWEST	HYDROCARBON (PAH) CONTAMINATION AT		WP	006	
00006		DIVISION	SELECTED CERCLA SITES AND			007	SW060615-04
		G. CLARK	ENVIRONMENTAL BASELINE STUDY (EBS)			008	
			PARCELS			009	
						010	
						011	
						012	
						013	
						014	
						015	
						016	
						019	
						021	
						022	
						023	
						030	
						031	
						032	
						PARCEL 205	
						PARCEL 28	
						PARCEL 51	



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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001799	04-22-2004	SULTECH	FINAL BASE REALIGNMENT AND CLOSURE	ADMIN RECORD	MTG MINS	007	SOUTHWEST
TC.B010.10186	<b>09-16-2003</b>		(BRAC) CLEANUP TEAM MONTHLY	INFO		014	DIVISION - BLDG. 1
MM	00010	NAVFAC -	TRACKING MEETING MINUTES AFTER	REPOSITORY		015	
N68711-03-D-5104		SOUTHWEST	ACTION REPORT FOR THE 16 SEPTEMBER			022	
00020		DIVISION	2003 MEETING - INCLUDES AGENDA, SIGN-			023	
			IN SHEET, AND VARIOUS HANDOUTS			035	
N00236 / 001989	03-10-2005	DTSC - BERKELEY	REVIEW AND COMMENTS ON THE DRAFT	ADMIN RECORD	VOC	014	SOUTHWEST
NONE	<b>12-18-2003</b>	M. LIAO	PROPOSED PLAN			015	DIVISION - BLDG. 1
CORRESP	NONE	NAVFAC -					
NONE		SOUTHWEST					
00003		DIVISION					
		G. CLARK					
N00236 / 001743	12-01-2003	TETRA TECH EM	DRAFT PROPOSED PLAN FOR	ADMIN RECORD		014	SOUTHWEST
DS.A032.10632	<b>02-01-2004</b>	INC.	INSTALLATION RESTORATION (IR) SITES 14	INFO		015	DIVISION - BLDG.
PLAN	DO 032		AND 15	REPOSITORY			110
N68711-00-D-0005		NAVFAC -					
00008		SOUTHWEST					
		DIVISION					
N00236 / 001841	06-15-2004		NEWSLETTER REGARDING THE NAVY'S	ADMIN RECORD	GW	005	SOUTHWEST
NONE	<b>03-01-2004</b>		ENVIRONMENTAL ACTIVITIES AT ALAMEDA	IR-READY	PAH	009	DIVISION - BLDG. 1
MISC	NONE	NAVFAC -	POINT		SOIL	014	
NONE		SOUTHWEST				015	
00004		DIVISION				016	
						025	
						026	

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001854 TC.A032.10250 MISC N68711-00-D-0005 00010	08-03-2004 <b>07-01-2004</b> DO. 032	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	PROPOSED PLAN/DRAFT REMEDIAL ACTION PLAN FOR CERCLA INSTALLATION RESTORATION (IR) [PORTION OF MAILING LIST IS CONFIDENTIAL]	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	PAH PCB PLAN	015 OU 1	SOUTHWEST DIVISION - BLDG. 1
N00236 / 001979 NONE CORRESP NONE 00007	03-09-2005 <b>08-24-2004</b> NONE	U.S. EPA - SAN FRANCISCO  NAVFAC - SOUTHWEST DIVISION T. MACCHIARELLA	REVIEW AND COMMENTS ON THE PROPOSED PLAN	ADMIN RECORD INFO REPOSITORY	PAH PCB VOC	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 001893 TC.B010.10262 RPT N68711-03-D-5104 00040	11-22-2004 <b>09-21-2004</b> 00010	SULTECH  NAVFAC - SOUTHWEST DIVISION	FINAL BRAC CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING AFTER ACTION REPORT - INCLUDES AGENDA, 08/17/04 FINALIZE MEETING MINUTES AND VARIOUS HANDOUTS {CD COPY ENCLOSED}	ADMIN RECORD INFO REPOSITORY	MTG MINS PCB SVOC VOC	001 007 015 022 032 OU 1 OU 2 OU 2A OU 2B	SOUTHWEST DIVISION - BLDG. 1
N00236 / 001910 TC.B010.10263 MTG MINS N68711-03-D-5104 00016	12-29-2004 <b>10-19-2004</b> 00010	SULTECH  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 19 OCTOBER 2004 MEETING - INCLUDES AGENDA AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	PAH PAHS PCB ROD	013 015 025 OU 5	SOUTHWEST DIVISION - BLDG. 1

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001998 SWDIV SER BPMOW.CD\0519 RPT N68711-01-D-6009 00100	03-23-2005 <b>03-11-2005</b> 00007	BATTELLE  BRAC - SAN DIEGO	FINAL EXPEDITED FIELD SAMPLING WORK PLAN [INCLUDES SWDIV TRANSMITTAL LETTER BY T. MACCHIARELLA] {PORTION OF MAILING LIST IS CONFIDENTIAL, CD COPY ENCLOSED}	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	PAH PCB PCDD PCDF SAP VOC	001 015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002053 DS.B113.20152 & SWDIV SER BPMOW.GC\0871 PUB NOTICE NONE 00010	06-30-2005 <b>06-01-2005</b> NONE	NAVFAC - SOUTHWEST DIVISION  GENERAL PUBLIC	PROPOSED PLAN FOR NO FURTHER ACTION (NFA) AT THE FORMER TRANSFORMER STORAGE AREA	ADMIN RECORD INFO REPOSITORY	NFA PAH PCB RCRA	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002077 NONE COMMENTS NONE 00005	08-10-2005 <b>07-27-2005</b> NONE	EPA - SAN FRANCISCO A. COOK NAVFAC - SOUTHWEST DIVISION T. MACHIARELLA	REVIEW AND COMMENTS FOR DRAFT PROPOSED PLAN FOR INSTALLATION RESTORATION SITE	ADMIN RECORD INFO REPOSITORY	COMMENTS IR	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002118 NONE CORRESP NONE 00003	09-19-2005 <b>08-20-2005</b> NONE	DTSC - BERKELEY M. LIAO NAVFAC - SOUTHWEST DIVISION T. MACCHIARELLA	REVIEW AND COMMENTS ON THE DRAFT PROPOSED PLAN (PP)	ADMIN RECORD INFO REPOSITORY	COMMENTS PP	015	SOUTHWEST DIVISION - BLDG. 1

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 002109 DS.B113.20153 & SWDIV SERBPMOW.GC\11 54 RPT N68711-03-D-5104 00015	08-30-2005 <b>08-26-2005</b> 00113	NAVFAC - SOUTHWEST DIVISION T. MACCHIARELLA EPA - SAN FRANCISCO A. COOK	DRAFT FINAL PROPOSED PLAN FOR INSTALLATION RESTORATION (IR) SITE INCLUDES RESPONSE TO COMMENTS RESPONSES TO REGULATORY AGENCY COMMENTS ON DRAFT PROPOSED PLAN	ADMIN RECORD INFO REPOSITORY	COMMENTS IR RESPONSE	015 OU 1	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002133 DS.B113.20154 AND BRAC SER BPMOW.GC/1243 RPT N68711-03-D-5104 00012	10-13-2005 <b>09-01-2005</b> 00113	SULTECH  NAVFAC - SOUTHWEST DIVISION	FINAL PROPOSED PLAN FOR FORMER TRANSFORMER STORAGE AREA (INCLUDES BRAC TRANSMITTAL LETTER BY T. MACCHIARELLA) [PORTION OF MAILING LIST IS CONFIDENTIAL]	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	PAH PCB PROPOSED RCRA ROD	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002181 NONE PUB NOTICE NONE 00001	01-04-2006 <b>09-27-2005</b> NONE	BRAC  PUBLIC INTEREST	PUBLIC NOTICE OF THE PUBLIC REVIEW AND COMMENT PERIOD ON THE PROPOSED PLAN FOR NO FURTHER ACTION AT A FORMER TRANSFORMER STORAGE AREA IN ALAMEDA JOURNAL	ADMIN RECORD INFO REPOSITORY	BRAC COMMENT HHERA	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002173 DS.B113.20156 & BRAC SER BPMOW.SP1504 RPT N68711-03-D-5104 00075	12-12-2005 <b>12-27-2005</b> 00113	SULTECH  BRAC	DRAFT RECORD OF DECISION (ROD) FOR FORMER TRANSFORMER STORAGE AREA [INCLUDES BRAC TRANSMITTAL LETTER BY T. MACCHIARELLA] (PORTION OF THE MAILING LIST IS CONFIDENTIAL)	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	AOC HHRA HQ PAH SVOC TPH VOC	015	SOUTHWEST DIVISION - BLDG. 1

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N00236 / 002288 NONE COMMENTS NONE 00002	05-03-2006 <b>02-27-2006</b> NONE	DTSC - SACRAMENTO A. LANDIS BRAC PMO WEST T. MACCHIARELLA	REVIEW AND COMMENTS AND A DETERMINATION OF NO FURTHER ACTION ON THE DRAFT RECORD OF DECISION (ROD) [PORTION OF THE MAILING LIST IS CONFIDENTIAL]	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	BRAC COMMENTS ROD	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002287 NONE COMMENTS NONE 00004	05-03-2006 <b>02-28-2006</b> NONE	USEPA - SAN FRANCISCO A. COOK BRAC PMO WEST T. MACCHIARELLA	REVIEW AND COMMENTS ON THE DRAFT RECORD OF DECISION (ROD) FOR THE FORMER TRANSFORMER STORAGE AREA	ADMIN RECORD INFO REPOSITORY	BRAC COMMENTS ROD	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002264 NONE RPT N68711-02-D-6009 00075	04-10-2006 <b>03-29-2006</b> 00007	BATTELLE  BRAC PMO WEST	FIELD SUMMARY REPORT, EXPEDITED FIELD SAMPLING (CD COPY ENCLOSED) [SEE AR #2265 - BRAC TRANSMITTAL LETTER BY T. MACCHIARELLA]	ADMIN RECORD INFO REPOSITORY	DDD DDE DDT PAH PCB SVOC VOC	001 015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002265 BRAC SER BPMOW.AB\0307 CORRESP NONE 00002	04-10-2006 <b>03-29-2006</b> NONE	BRAC PMO WEST T. MACCHIARELLA VARIOUS AGENCIES	TRANSMITTAL OF FIELD SUMMARY REPORT, EXPEDITED FIELD SAMPLING (PORTION OF THE MAILING LIST IS CONFIDENTIAL) [SEE AR #2264 - FIELD SUMMARY REPORT, EXPEDITED FIELD SAMPLING]	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	BRAC	001 015	SOUTHWEST DIVISION - BLDG. 1

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 002303 DS.B113.20157 RPT N68711-03-D-5104 00125	05-12-2006 <b>04-28-2006</b> 00113	SULTECH  BRAC PMO WEST	DRAFT FINAL RECORD OF DECISION (ROD), FORMER TRANSFORMER STORAGE AREA (SEE AR #2304 - BRAC TRANSMITTAL LETTER BY T. MACCHIARELLA)	ADMIN RECORD INFO REPOSITORY	AOC FS PAH PCB ROD TPH VOC	015	SOUTHWEST DIVISION - BLDG. 1
N00236 / 002304 BRAC SER BPMOW.SP\0374 CORRESP NONE 00002	05-12-2006 <b>04-28-2006</b> NONE	BRAC PMO WEST T. MACCHIARELLA VARIOUS AGENCIES	TRANSMITTAL OF DRAFT FINAL RECORD OF DECISION (ROD), FORMER TRANSFORMER STORAGE AREA (SEE AR #2303 - DRAFT FINAL RECORD OF DECISION FOR FORMER TRANSFORMER STORAGE AREA)	ADMIN RECORD INFO REPOSITORY	BRAC FFA ROD	015	SOUTHWEST DIVISION - BLDG. 1

**Total Estimated Record Page Count: 15,707**

**Total - Administrative Records: 196**

[UIC NUMBER]='N00236'

No Keywords

Sites=015

No Classification

## ALAMEDA POINT NAS

## DRAFT ADMINISTRATIVE RECORD FILE INDEX - UPDATE (SORTED BY RECORD DATE/RECORD NUMBER)

## DOCUMENTS RELATED TO SITE 15

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000667	06-16-2003	TETRA TECH EM	PROGRESSIVE REVIEW MEETING MINUTES	ADMIN RECORD	MTG MINS	002	SOUTHWEST
TC.A021.10075	<b>04-19-1995</b>	INC.	FOR THE 19 APRIL 1995 MEETING	INFO		OU 1	DIVISION - BLDG.
MM	DO 0021			REPOSITORY		OU 2	110
N68711-00-D-0005		NAVFAC -				OU 3	181-03-0188
00003		SOUTHWEST				OU 4	14 OF 17
		DIVISION					BOX 14 - 03/29/06
							RF5258
N00236 / 001357	11-24-1999	NAVFAC - EFA	REQUEST FOR IDENTIFICATION OF STATE	ADMIN RECORD	ARAR	OU 1	CHOICE IMAGING
EFAW SER	<b>09-12-1996</b>	WEST	"APPLICABLE OR RELEVANT AND		OU	OU 2	SOLUTIONS
1831.1/L6343	NONE	H. GEE	APPROPRIATE REQUIREMENTS" (ARARS)		RI/FS	OU 3	181-03-0179
CORRESP	00.0	DTSC - BERKELEY	FOR THE REMEDIAL INVESTIGATION AND			OU 4	36 OF 46
NONE		D. MURPHY	FEASIBILITY STUDY (RI/FS) FOR OPERABLE				SW06040603
00002			UNITS				41074200
N00236 / 000683	06-16-2003	TETRA TECH EM	BACKGROUND ASSESSMENT MEETING	ADMIN RECORD	MTG MINS	003	SOUTHWEST
TC.A021.10075	<b>02-26-1997</b>	INC.	MINUTES FOR THE 26 FEBRUARY 1997	INFO	PAH	004	DIVISION - BLDG.
MM	DO 0021		MEETING	REPOSITORY		005	110
N68711-00-D-0005		NAVFAC -				007	181-03-0188
00007		SOUTHWEST				011	14 OF 17
		DIVISION				012	BOX 14 - 03/29/06
						018	RF5258
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						OU 1	
						OU 2	
						OU 3	

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 001395 EFAW SER 1831.1/L7115 RESPONSE NONE 00002	11-24-1999 <b>03-04-1997</b> NONE 00.0	NAVFAC - EFA WEST C. GARIBALDI DTSC - BERKELEY T. LANPHAR	RESPONSE TO DTSC'S RESPONSE TO REQUEST FOR IDENTIFICATION OF STATE APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARARS) FOR THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) FOR OPERABLE UNITS	ADMIN RECORD	ARAR OU RI/FS	OU 1 OU 2 OU 3 OU 4	CHOICE IMAGING SOLUTIONS 181-03-0179 37 OF 46 SW06040603 41074200
N00236 / 000685 TC.A021.10075 MM N68711-00-D-0005 00009	06-16-2003 <b>04-29-1997</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	MONTHLY TRACKING MEETING MINUTES FOR ENVIRONMENTAL ACTIONS FOR THE 29 APRIL 1997 MEETING - INCLUDES ATTENDANCE LIST AND AGENDA	ADMIN RECORD INFO REPOSITORY	MTG MINS	003 004 005 007 010 012 022 OU 1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 001421 EFAW SER 18311TB/7028 CORRESP NONE 00010	11-24-1999 <b>06-08-1997</b> NONE 00.0	NAVFAC - EFA WEST T. BERNHARD DISTRIBUTION	SUBMISSION OF PROPOSED OPERABLE UNIT 1 THROUGH 4 (OU 1, OU 2, OU 3, OU 4) REMEDIAL INVESTIGATION/FEASIBILITY STUDY/RECORD OF DECISION (RI/FS/ROD) SCHEDULE (W/ ENCLOSURE)	INFO REPOSITORY	FS OU RI ROD	OU 1 OU 2 OU 3 OU 4	CHOICE IMAGING SOLUTIONS 181-03-0179 37 OF 46 SW06050401 41074200
N00236 / 001491  RPT NONE 00000	11-24-1999 <b>02-10-1998</b> NONE 00.0	TETRA TECH  NAVY MCFADDEN, PATRIC	DRAFT OPERABLE UNIT 1 (OU1) REMEDIAL INVESTIGATION (RI) REPORT, VOLUME I {SEE AR #29 & 30 - COMMENTS BY EPA & DTSC}	REMOVED	RI	OU 1	P3-C - BECHTEL NATIONAL  PW - 45359744



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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 001492	11-24-1999	TETRA TECH	DRAFT OPERABLE UNIT 1 (OU 1) REMEDIAL	REMOVED	RI	OU 1	P3-C - BECHTEL	
RPT	<b>02-10-1998</b>		INVESTIGATION (RI) REPORT, VOLUME II				NATIONAL	
NONE	NONE	NAVY	{SEE AR #29 & 30 - COMMENTS BY EPA &					
00000	00.0	MCFADDEN,	DTSC}					PW - 45359744
		PATRIC						
N00236 / 001493	11-24-1999	TETRA TECH	DRAFT OPERABLE UNIT 1 (OU 1) REMEDIAL	REMOVED	RI	OU 1	P3-C - BECHTEL	
RPT	<b>02-10-1998</b>		INVESTIGATION (RI) REPORT, VOLUME III				NATIONAL	
NONE	NONE	NAVY	{SEE AR #29 & 30 - COMMENTS BY EPA &					
00000	00.0	MCFADDEN,	DTSC}					PW - 45359744
		PATRIC						
N00236 / 001494	11-24-1999	TETRA TECH	DRAFT OPERABLE UNIT 1 (OU 1) REMEDIAL	REMOVED	RI	OU 1	SOUTHWEST	
RPT	<b>02-10-1998</b>		INVESTIGATION (RI) REPORT, VOLUME IV				DIVISION - BLDG. 1	
NONE	NONE	NAVY	{SEE AR #29 & 30 - COMMENTS BY EPA &					
00000	00.0	MCFADDEN,	DTSC}					
		PATRIC						
N00236 / 000694	06-16-2003	TETRA TECH EM	TRACKING MEETING MINUTES FOR	ADMIN RECORD	MTG MINS	001	SOUTHWEST	
TC.A021.10075	<b>02-17-1998</b>	INC.	ENVIRONMENTAL ACTIONS FOR THE 17	INFO		002	DIVISION - BLDG.	
MM	DO 0021		FEBRUARY 1998 MEETING	REPOSITORY		005	110	
N68711-00-D-0005		NAVFAC -				010	181-03-0188	
00010		SOUTHWEST				OU 1	14 OF 17	
		DIVISION				OU 2	BOX 14 - 03/29/06	
							RF5258	

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Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000029 TC.0271.10613 CORRESP N62474-94-D-7609 00015	11-16-2000 <b>04-10-1998</b> 00271	U.S. EPA - SAN FRANCISCO L. SUER NAVFAC - WESTERN DIVISION P. MCFADDEN	COMMENTS ON THE DRAFT REMEDIAL INVESTIGATION REPORT, DATED 2/10/98 (WITH ENCLOSURES)	ADMIN RECORD INFO REPOSITORY	COMMENTS RI	OU 1	SOUTHWEST DIVISION - BLDG. 1  SW05072801
N00236 / 000030 TC.0271.10613 CORRESP N62474-94-D-7609 00024	11-16-2000 <b>04-15-1998</b> 00271	DTSC - BERKELEY M. CASSA NAVFAC - WESTERN DIVISION P. MCFADDEN	COMPILED REVIEW AND COMMENTS OF THE DRAFT REMEDIAL INVESTIGATION (RI) REPORT {PORTION OF MAILING LIST IS CONFIDENTIAL} DTSC COMMENTS PROVIDED BY TETRA TECH, INC.	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	COMMENTS RI	OU 1	SOUTHWEST DIVISION - BLDG. 110  BX-001
N00236 / 000696 TC.A021.10075 MM N68711-00-D-0005 00010	06-16-2003 <b>04-21-1998</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	TRACKING MEETING MINUTES FOR ENVIRONMENTAL ACTIONS FOR THE 21 APRIL 1998 MEETING	ADMIN RECORD INFO REPOSITORY	MTG MINS	025 OU 1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 000700 TC.A021.10075 MM N68711-00-D-0005 00020	06-16-2003 <b>07-21-1998</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	TRACKING MEETING MINUTES FOR ENVIRONMENTAL ACTIONS FOR THE 21 JULY 1998 MEETING - INLCUDES AGENDA AND PROJECT STATUS SHEETS	ADMIN RECORD INFO REPOSITORY	MTG MINS TPH	OU 1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258

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Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000702 TC.A021.10075 MM N68711-00-D-0005 00020	06-16-2003 <b>09-15-1998</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR AFTER ACTION FOR THE 15 SEPTEMBER 1998 MEETING - INLCUDES ATTENDANCE SHEET, AGENDA, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	MTG MINS	014 025 OU 1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 000703 TC.A021.10075 MM N68711-00-D-0005 00020	06-16-2003 <b>10-20-1998</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR ENVIRONMENTAL ACTIONS FOR THE 20 OCTOBER 1998 MEETING - INCLUDES ATTENDANCE LIST, AGENDA, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	MTG MINS	007 OU 1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 000031 TC.0271.10613 CORRESP N62474-94-D-7609 00018	11-16-2000 <b>11-03-1998</b> 00271	DTSC - BERKELEY M. CASSA NAVFAC - WESTERN DIVISION P. MCFADDEN	COMPILED REVIEW AND COMMENTS OF THE REVISED DRAFT REMEDIAL INVESTIGATION (RI) REPORT {PORTION OF MAILING LIST IS CONFIDENTIAL} DTSC COMMENTS PROVIDED BY TETRA TECH, INC	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	COMMENTS RI	OU 1	SOUTHWEST DIVISION - BLDG. 110  BX-001
N00236 / 000032 TC.0271.10613 LTR N62474-94-D-7609 00015	11-16-2000 <b>11-06-1998</b> 00271	U.S. EPA, SAN FRANCISCO, CA L. SUER NAVFAC - WESTERN DIVISION P. MCFADDEN	COMPILED REVIEW AND COMMENTS OF THE REVISED DRAFT REMEDIAL INVESTIGATION (RI) REPORT	ADMIN RECORD INFO REPOSITORY	COMMENTS RI	OU 1	SOUTHWEST DIVISION - BLDG. 110  BX-001

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000704 TC.A021.10075 MM N68711-00-D-0005 00040	06-16-2003 <b>11-17-1998</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR ENVIRONMENTAL ACTIONS FOR THE 17 NOVEMBER 1998 MEETING - INCLUDES ATTENDANCE LIST, AGENDA, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	MTG MINS RAB	OU 1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 14 OF 17 BOX 14 - 03/29/06 RF5258
N00236 / 001577 NONE RPT N62474-94-D-7609 00500	11-24-1999 <b>01-18-1999</b> 00166 00.0	TETRA TECH EM INC. M. SHARMA NAVFAC - EFA WEST M. MCFADDEN	DRAFT FINAL OPERABLE UNIT (OU) 1 REMEDIAL INVESTIGATION (RI) REPORT, VOLUME I OF IV (TEXT, TABLES, FIGURES) {SEE AR #1578, 1579 & 1580 - VOLS. II, III & IV}	ADMIN RECORD	OU RI	OU 1	CHOICE IMAGING SOLUTIONS 181-03-0179 41 OF 46 SW06042002 41074200
N00236 / 001578 NONE RPT N62474-94-D-7609 00500	11-24-1999 <b>01-18-1999</b> 00166 00.0	TETRA TECH EM INC. M. SHARMA NAVFAC - EFA WEST P. MCFADDEN	DRAFT FINAL OPERABLE UNIT (OU) 1 REMEDIAL INVESTIGATION (RI) REPORT, VOLUME II OF IV (CHAPTER 6 FIGURES) {SEE AR #1577, 1579 & 1580 - VOLS. I, III & IV}	ADMIN RECORD	OU RI	OU 1	CHOICE IMAGING SOLUTIONS 181-03-0179 41 OF 46 SW06042002 41074200
N00236 / 001579 NONE RPT N62474-94-D-7609 01000	11-24-1999 <b>01-18-1999</b> 00166 00.0	TETRA TECH EM INC. M. SHARMA NAVFAC - EFA WEST P. MCFADDEN	DRAFT FINAL OPERABLE UNIT (OU) 1 REMEDIAL INVESTIGATION (RI) REPORT, VOLUME III OF IV (APPENDICES) {SEE AR #1577, 1578 & 1580 - VOLS. I, II & IV}	ADMIN RECORD	OU RI	OU 1	CHOICE IMAGING SOLUTIONS 181-03-0179 41 OF 46 SW06042002 41074200

UIC No. / Rec. No.								Location
Doc. Control No.	Prc. Date	Author Affil.						
Record Type	Record Date	Author						
Contr./Guid. No.	CTO No.	Recipient Affil.						
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	FRC Access. No. FRC/SWDIV Box No. FRC Warehouse Loc. CD No.	
N00236 / 001580 NONE RPT N62474-94-D-7609 01000	11-24-1999 <b>01-18-1999</b> 00166 00.0	TETRA TECH EM INC. M. SHARMA NAVFAC - EFA WEST P. MCFADDEN	DRAFT FINAL OPERABLE UNIT (OU) 1 REMEDIAL INVESTIGATION (RI) REPORT, VOLUME IV OF IV (APPENDIX D) {SEE AR #1577, 1578 & 1579 - VOLS. I, II & III}	ADMIN RECORD	OU RI	OU 1	CHOICE IMAGING SOLUTIONS 181-03-0179 41 OF 46 SW06042002 41074200	

UIC No. / Rec. No.								Location
Doc. Control No.	Prc. Date	Author Affil.						FRC Access. No.
Record Type	Record Date	Author						FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.						FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 001679	01-21-2000	NAVFAC -	3 AUGUST 1999 RESTORATION ADVISORY	ADMIN RECORD	FS	001	CHOICE IMAGING	
NONE	<b>08-03-1999</b>	WESTERN	BOARD (RAB) MEETING SUMMARY	CONFIDENTIAL	PCB	002	SOLUTIONS	
MM	NONE	DIVISION	(INCLUDES AGENDA, HANDOUTS AND SIGN-		RAB	003	181-03-0179	
NONE	10.4		IN SHEETS) [PORTION OF THE SIGN-IN		RI	004	45 OF 46	
00015		NAVFAC -	SHEET IS CONFIDENTIAL]		UXO	005	SW06050402	
		WESTERN				009	41074200	
		DIVISION				010		
						013		
						014		
						017		
						019		
						020		
						021		
						022		
						023		
						024		
						025		
						1112		
						360		
						400		
						410		
						BLDG. 14		
						BLDG. 162		
						BLDG. 5		
						OU 1		
						OU 2		
						OU 3		
						OU 4		

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000041 NONE RPT N62474-94-D-7609 00010	11-20-2000 <b>08-23-1999</b> 00124	TETRA TECH EM INC. P. BOUCHER NAVFAC - WESTERN DIVISION R. YEE	DRAFT FINAL APPROACH FOR COMPLETION OF THE REMEDIAL INVESTIGATION (RI) AND FEASIBILITY STUDY (FS)REPORT AND PROPOSED PLAN (PP) FOR THE STORM DRAIN SYSTEM	ADMIN RECORD INFO REPOSITORY	FS PP RI	018 OU 1 OU 2	SOUTHWEST DIVISION - BLDG. 110  BX-001
N00236 / 001677 NONE MM NONE 00020	01-21-2000 <b>10-05-1999</b> NONE 10.4	NAVFAC - WESTERN DIVISION  NAVFAC - WESTERN DIVISION	DRAFT RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR 5 OCTOBER 1999 (INCLUDES AGENDA, HANDOUTS AND SIGN-IN SHEETS)	ADMIN RECORD	BTEX FFA RAB TDS UST	001 002 005 010 014 025 BLDG. 400 BLDG. 5 OU 1 OU 2 OU 3	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 45 OF 46 BOX 45 - 04/05/06 41074200
N00236 / 000590 TC.A021.10074 MM N68711-00-D-0005 00010	06-11-2003 <b>10-03-2000</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 03 OCTOBER 2000 MEETING	ADMIN RECORD	MTG MINS PAH PCB RAB	001 002 005 007 013 025 OU 1 OU 2 OU 2A OU 2B OU 2C OU 3 OU 4 OU 5 OU 7	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000591 TC.A021.10074 MM N68711-00-D-0005 00012	06-11-2003 <b>11-07-2000</b> DO 021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 07 NOVEMBER 2000 MEETING	ADMIN RECORD	DCA DCE MTG MINS PCE RAB TCA TCE	007 027 OU 1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000042 DS.0202.13653 RPT N62474-94-D-7609 00400	12-18-2000 <b>12-04-2000</b> 00202	TETRA TECH EM INC. N. HUTCHISON NAVFAC - SOUTHWEST DIVISION	DRAFT FINAL STORM SEWER STUDY REPORT {SEE AR #7 - DRAFT FINAL STORM SEWER STUDY REPORT ADDENDUM & #240 - TECHNICAL MEMORANDUM ADDENDUM}	ADMIN RECORD INFO REPOSITORY	AST BCT BRAC BTEX EE/CA IR OU PAH PCB RI RI/FS SVOC TPH UST VOC	OU 1 OU 2A OU 2B OU 2C OU 3 OU 4A OU 5	SOUTHWEST DIVISION - BLDG. 110  BX-002



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Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000055 DS.0385.15989 & SWDIV SER 06CA.GL/1043 PLAN N62474-94-D-7609 00700	01-10-2001 <b>12-28-2000</b> 00385	TETRA TECH EM INC. N. HUTCHISON NAVFAC - SOUTHWEST DIVISION G. LORTON	DRAFT FIELD SAMPLING PLAN (FSP) - SUPPLEMENTAL REMEDIAL INVESTIGATION DATA GAP SAMPLING [INCLUDES QUALITY ASSURANCE PROJECT PLAN (QAPP) AS ATTACHMENT] (INCLUDES SWDIV TRANSMITTAL LETTER BY G. LORTON)	ADMIN RECORD INFO REPOSITORY	BTEX DCA DCE DDT DQO FSP MTBE PAH PCB PVC RI SVOC TCA TCE TPH VOC	OU 1 OU 2	CHOICE IMAGING SOLUTIONS 181-03-0179 1 OF 46 SW06012301 41074200
N00236 / 000007 TC.0202.10421 & EFAW SER 612.14/L0044 RPT N62474-94-D-7609 00140	08-17-2000 <b>01-15-2001</b> 00202	TETRA TECH EM INC. N. HUTCHISON NAVFAC - SOUTHWEST DIVISION G. CLARK	DRAFT FINAL STORM SEWER STUDY REPORT, TOTAL PETROLEUM HYDROCARBON (TPH) ADDENDUM - INCLUDES SWDIV TRANSMITTAL LETTER BY G. CLARK, RESPONSE TO COMMENTS ON THE DRAFT STORM SEWER STUDY REPORT DATED SEPTEMBER 1999 (*SEE COMMENTS)	ADMIN RECORD INFO REPOSITORY	BTEX GW IR OU RI/FS SITE SVOC TPH	018 OU 1 OU 2A OU 2B OU 2C OU 3 OU 4A OU 5	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 1 OF 46 BOX 1 - 01/09/06 41074200
N00236 / 000604 TC.A021.10074 MM N68711-00-D-0005 00014	06-11-2003 <b>05-01-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 01 MAY 2001 MEETING - INCLUDES MEETING AGENDA AND SIGN-IN SHEETS	ADMIN RECORD	MTG MINS PAH RAB	025 OU 1 OU 2 OU 3 OU 4 OU 4A	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258

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Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000187 DS.0385.16940 & SWDIV SER 06CA.GL/0546 PLAN N62474-94-D-7609 01000	07-05-2001 <b>05-14-2001</b> 00385	TETRA TECH EM INC. N. HUTCHISON NAVFAC - SOUTHWEST DIVISION G. LORTON	DRAFT FINAL FIELD SAMPLING PLAN AND QUALITY ASSURANCE PROJECT PLAN (FSP/QAPP), SUPPLEMENTAL REMEDIAL INVESTIGATION DATA GAPS SAMPLING (INCLUDES SWDIV TRANSMITTAL LETTER BY G. LORTON) (SEE AR #229 - ADDENDUM A, #239 - ADDENDUM B & #252 - ADDENDUM C)	ADMIN RECORD INFO REPOSITORY	BTEX DCA DCE DDT DQO FSP MTBE PAH PCB PCE PVC QAPP RI SVOC TCA TCDD TCE TEPH TPH VOC	OU 1 OU 2	CHOICE IMAGING SOLUTIONS 181-03-0179 9 OF 46 SW06022301 41074200
N00236 / 000736 TC.A021.10075 MM N68711-00-D-0005 00010	06-17-2003 <b>06-19-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL BASE REALIGNMENT AND CLOSURE (BRAC) CLEANUP TEAM (BCT) MONTHLY TRACKING MEETING MINUTES FOR THE AFTER ACTION REPORT FOR THE 19 JUNE 2001 MEETING - INCLUDES AGENDA	ADMIN RECORD INFO REPOSITORY	MTG MINS PAH PCB	014 OU 1 OU 2 UST 608	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 15 OF 17 BOX 15 - 06/07/06 RF5258

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000229	09-21-2001	TETRA TECH EM	ADDENDUM A - FINAL FIELD SAMPLING	ADMIN RECORD	BTEX	OU 1	CHOICE IMAGING
DS.0385.17292 &	<b>08-23-2001</b>	INC.	PLAN/QUALITY ASSURANCE PROJECT	INFO	DATA	OU 2	SOLUTIONS
SWDIV SER	00385	N. HUTCHISON	PLAN (FSP/QAPP), SUPPLEMENTAL	REPOSITORY	DQO		181-03-0179
06CA.GL/0852		NAVFAC -	REMEDIAL INVESTIGATION DATA GAP		FSP		11 OF 46
RPT		SOUTHWEST	SAMPLING (SEE AR #187 - DRAFT FINAL		PAH		SW06022302
N62474-94-D-7609		DIVISION	FSP/QAPP, AR #239 - ADDENDUM B & AR		PCB		41074200
00150		G. LORTON	#252 - ADDENDUM C)		PCE		
					PVC		
					RI		
					SVOC		
					TCA		
					TCE		
					TPH		
					TPPH		
					VOA		
					VOC		
N00236 / 000239	09-21-2001	TETRA TECH EM	ADDENDUM B - FINAL FIELD SAMPLING	ADMIN RECORD	BTEX	OU 1	CHOICE IMAGING
DS.0385.17345 &	<b>08-27-2001</b>	INC.	PLAN/QUALITY ASSURANCE PROJECT	INFO	DCA	OU 2	SOLUTIONS
SWDIV SER	00385	N. HUTCHISON	PLAN (FSP/QAPP), SUPPLEMENTAL	REPOSITORY	DCE		181-03-0179
06CA.GL/0852		NAVFAC -	REMEDIAL INVESTIGATION DATA GAP		DDT		12 OF 46
RPT		SOUTHWEST	SAMPLING (SEE AR #187 - DRAFT FINAL		FSP		SW06022302
N62474-94-D-7609		DIVISION	FSP/QAPP, AR #229 - ADDENDUM A & AR		MTBE		41074200
00050		G. LORTON	#252 - ADDENDUM C)		PAH		
					PCB		
					PCE		
					PVC		
					RI		
					SVOC		
					TCA		
					TCDD		
					TCE		
					TEPH		
					TPH		
					TPPH		
					VOC		

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000240 TC.0202.11178 MEMO N62474-94-D-7609 00050	09-25-2001 <b>08-30-2001</b> 00202	TETRA TECH EM INC. N. HUTCHISON NAVFAC - SOUTHWEST DIVISION G. CLARK	STORM SEWER STUDY - TECHNICAL MEMORANDUM ADDENDUM AND RESPONSE TO CRWQCB, DTSC, & EPA COMMENTS {SEE AR #7 - DRAFT FINAL STORM SEWER STUDY REPORT ADDENDUM & #42 - DRAFT FINAL STORM SEWER STUDY REPORT}	ADMIN RECORD INFO REPOSITORY	BTEX COMMENTS MTBE TECH MEMO TPH	018 OU 1 OU 2A OU 2B OU 2C OU 3 OU 4A OU 5	SOUTHWEST DIVISION - BLDG. 110 181-03-0179 12 OF 46 41074200
N00236 / 000609 TC.A021.10074 MM N68711-00-D-0005 00016	06-11-2003 <b>10-02-2001</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 02 OCTOBER 2001 MEETING - INCLUDES MEETING AGENDA AND SIGN-IN SHEETS	ADMIN RECORD	MTG MINS RAB	OU 1 OU 2 OU 3 OU 4 OU 5	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000252 DS.0385.17352 & SWDIV SER 06CA.GL/1057 MISC N62474-94-D-7609 00010	10-11-2001 <b>10-04-2001</b> 00385	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	ADDENDUM C - FINAL FIELD SAMPLING PLAN, SUPPLEMENTAL REMEDIAL INVESTIGATION DATA GAP SAMPLING {SEE AR #187 - DRAFT FINAL FSP/QAPP, AR #229 - ADDENDUM A & AR #239 - ADDENDUM B} (INCLUDES SWDIV TRANSMITTAL LETTER BY G. LORTON)	ADMIN RECORD INFO REPOSITORY	BTEX DATA FSP MTBE QAPP TEPH TPH	OU 1 OU 2	CHOICE IMAGING SOLUTIONS 181-03-0179 12 OF 46 SW06022302 41074200

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000354 2119.9285 (LMM) LTR NONE 00008	04-10-2002 <b>01-28-2002</b> NONE	CRWQCB, OAKLAND, CA L. MEILLIER NAVFAC - SOUTHWEST DIVISION R. WEISSENBORN	COMMENTS ON THE DRAFT WORK PLAN FOR BASEWIDE GROUNDWATER MONITORING PROGRAM - INCLUDES CONFIDENTIAL DISTRIBUTION LIST	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	COMMENTS GW MONITORING MTBE PAH PCB SVOC TPH VOC WORK PLAN	004 005 008 009 016 025 026 027 BLDG. 410 OU 1 UST 608-1	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 1 OF 17 BOX 1 - 04/21/06 RF5258
N00236 / 000620 TC.A021.10074 MM N68711-00-D-0005 00030	06-12-2003 <b>05-01-2002</b> DO 0021	TETRA TECH EM INC.  NAVFAC - SOUTHWEST DIVISION	FINAL RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY FOR THE 01 MAY 2002 MEETING - INCLUDES MEETING AGENDA, SIGN-IN SHEETS, AND VARIOUS HANDOUTS	ADMIN RECORD INFO REPOSITORY	MTG MINS RAB	026 OU 1 OU 2 OU 3 OU 4A OU 5	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 13 OF 17 BOX 13 - 05/09/06 RF5258
N00236 / 000410 SWDIV SER 06CA.MM/0847 MISC NONE 00020	08-28-2002 <b>08-21-2002</b> NONE	NAVFAC - SOUTHWEST DIVISION M. MCCLELLAND US EPA, SF & VARIOUS A. COOK & DISTRIBUTION	TRANSMITTAL OF THE FINAL SITE MANAGEMENT PLAN AMENDMENT IN ACCORDANCE WITH THE FEDERAL FACILITIES AGREEMENT FOR ACTIVITY - INCLUDES CONFIDENTIAL DISTRIBUTION LIST	ADMIN RECORD CONFIDENTIAL INFO REPOSITORY	FFA SMP	OU 1 OU 2A OU 2B OU 2C OU 3 OU 4A OU 4B OU 4C OU 5 OU 6	SOUTHWEST DIVISION - BLDG. 110 181-03-0188 4 OF 17 BOX 4 - 04/21/06 RF5258

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Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000470	02-06-2003	NAVFAC -	SITE MANAGEMENT PLAN	ADMIN RECORD	PAH	017	CHOICE IMAGING
SWDIV SER	<b>01-16-2003</b>	SOUTHWEST	UPDATE[INCLUDES TRANSMITTAL LETTER	INFO	PESTICIDES	020	SOLUTIONS
06CA.AD/0357	NONE	DIVISION	BY A. DICK]	REPOSITORY		024	181-03-0188
MISC		A. DICK				025	10 OF 17
NONE		U.S. EPA				029	SW060615-02
00030		A. COOK				OU 1	RF5258
						OU 2A	
						OU 2B	
						OU 2C	
						OU 3	
						OU 4A	
						OU 4B	
						OU 4C	
						OU 5	
						OU 6	
N00236 / 002000	03-25-2005	DTSC - BERKELEY	COMPILATION OF COMMENTS ON THE	ADMIN RECORD	COMMENTS	014	SOUTHWEST
NONE	<b>04-11-2003</b>	M. LIAO	DRAFT FINAL REMEDIAL INVESTIGATION		RI	OU 1	DIVISION - BLDG. 1
CORRESP	NONE	NAVFAC -	(RI) REPORT				
NONE		SOUTHWEST					
00017		DIVISION					
		G. CLARK					
N00236 / 002001	03-25-2005	DTSC - BERKELEY	DTSC WITHHOLDS CONCURRENCE ON THE	ADMIN RECORD	NFA	014	SOUTHWEST
NONE	<b>04-11-2003</b>	M. LIAO	NO FURTHER ACTION (NFA)		RI	OU 1	DIVISION - BLDG. 1
CORRESP	NONE	NAVFAC -	RECOMMENDATION ON THE DRAFT FINAL				
NONE		SOUTHWEST	REMEDIAL INVESTIGATION (RI) REPORT				
00002		DIVISION					
		G. CLARK					

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Record Type	Record Date	Author						FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.						FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.	
N00236 / 001876	09-27-2004		FINAL SITE MANAGEMENT PLAN FOR	ADMIN RECORD	COMMENTS	OU 1		SOUTHWEST
SWDIV SER.	<b>09-15-2004</b>		FISCAL YEAR 2005 [INCLUDES SWDIV	CONFIDENTIAL	GW	OU 2A		DIVISION - BLDG. 1
06CA.GL/0942	NONE	NAVFAC -	TRANSMITTAL LETTER BY T.	INFO	PAH	OU 2C		
PLAN		SOUTHWEST	MACCHIARELLA] {PORTION OF MAILING	REPOSITORY	PLAN	OU 3		
NONE		DIVISION	LIST IS CONFIDENTIAL}		SOIL	OU 4A		
00030						OU 4B		
						OU 4C		
						OU 5		
						OU 6		

**Total Estimated Record Page Count: 5,969**

**Total - Administrative Records: 47**

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**ATTACHMENT B**  
**AGENCY AGREEMENT WITH SELECTED REMEDY**

---





Alan C. Lloyd, Ph.D.  
Agency Secretary  
Cal/EPA



## Department of Toxic Substances Control

Maureen F. Gorsen, Director  
8800 Cal Center Drive  
Sacramento, California 95826-3200



Arnold Schwarzenegger  
Governor

February 27, 2006

Mr. Thomas L. Macchiarella, Code BPMOW.TLM  
Department of the Navy  
Base Realignment and Closure Program Management Office West  
1455 Frazee Road, Suite 900  
San Diego, California 92108-4310

### DETERMINATION OF NO FURTHER ACTION, INSTALLATION RESTORATION SITE 15, FORMER TRANSFORMER STORAGE AREA, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Dear Mr. Macchiarella:

The Department of Toxic Substances Control (DTSC) has reviewed the draft Record of Decision (ROD) dated December 2005 for Installation Restoration (IR) Site 15 at Alameda Point. The draft ROD documents the Navy's conclusion that the site does not pose unacceptable risk to human health or the environment and that no further remedial action is needed at this site.

DTSC has determined that site characterization activities conducted to date support the no further action (NFA) conclusion for IR Site 15. This determination is based on a review of the June 2003 Remedial Investigation Report and the supplemental sampling results of polynuclear aromatic hydrocarbons documented in March 2005.

Please be advised that this NFA determination is based on information available to DTSC at this time. In the event that new information is identified that would indicate environmental concern, DTSC reserves the right to require additional investigation and possible remediation as the situation warrants. Also, please be advised that should this property be considered for a proposed acquisition and/or construction of school properties utilizing state funding, a separate environmental review process in compliance with California Education Code 17210 et. seq. will need to be conducted and approved by DTSC.

Mr. Thomas L. Macchiarella  
February 27, 2006  
Page 2

If you have any questions, please contact Dot Lofstrom at (916) 255-6449 or by e-mail at [dlofstro@dtsc.ca.gov](mailto:dlofstro@dtsc.ca.gov).

Sincerely,



Anthony J. Landis, P.E.  
Chief  
Northern California Operations  
Office of Military Facilities

cc:

Ms. Elizabeth Johnson  
950 W. Mall Square, Building 1  
Alameda Point  
Alameda, California 94501

Dr. Peter Russell  
Russell Resources, Inc.  
440 Nova Albion Way, Suite 1  
San Rafael, California 94903-3634

Mr. George Humphreys  
RAB Community Co-Chair  
25 Captains Drive  
Alameda, California 94501

Mr. Greg Lorton, Code BPMOW.GL  
Department of the Navy  
Base Realignment and Closure  
Program Management Office West  
1455 Frazee Road, Suite 900  
San Diego, California 92108-4310

Ms. Glenna Clark, Code BPMOW.GC  
Department of the Navy  
Base Realignment and Closure Program  
Management Office West  
1455 Frazee Road, Suite 900  
San Diego, California 92108-4310

Ms. Anna-Marie Cook  
US Environmental Protection Agency  
Region IX  
75 Hawthorne Street  
San Francisco, California 94105

Ms. Judy Huang  
Regional Water Quality Control Board  
1515 Clay St., Suite 1400  
Oakland, California 94612

Dr. Charlie Huang  
Department of Fish and Game  
1700 K St., Suite 250  
Sacramento, California 95814

## ALAMEDA POINT NAS

## DRAFT ADMINISTRATIVE RECORD FILE INDEX - UPDATE (SORTED BY RECORD DATE/RECORD NUMBER)

## DOCUMENTS RELATED TO SITE 15

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000198	11-24-1999	NEESA	INITIAL ASSESSMENT STUDY (IAS)	ADMIN RECORD	IAS		SOUTHWEST
	<b>04-01-1983</b>						DIVISION - BLDG. 1
RPT	NONE						181-03-0179
NONE	00.0						10 OF 46
00000							BOX 10 OF 46 -
							CHECKED OUT BY
							L. O'CAMPO ON
							9/22/04 (X 2-0969)
							41074200
N00236 / 000195	11-24-1999	WAHLER	DRAFT VERIFICATION STEP	ADMIN RECORD			CHOICE IMAGING
NONE	<b>05-01-1985</b>	ASSOCIATES	CONFIRMATION STUDY REPORT				SOLUTIONS
RPT	NONE						181-03-0179
N62474-83-C-3075	00.0	NAVFAC - EFA					10 OF 46
00250		WEST					SW06022301
							41074200
N00236 / 000853	11-24-1999	PRC	DRAFT FOLLOW-ON FIELD SAMPLING PLAN	ADMIN RECORD	FSP	PHASE 2B	CHOICE IMAGING
EFAW SER	<b>04-02-1993</b>	ENVIRONMENTAL	REMEDIAL INVESTIGATION/FEASIBILITY		RI/FS	PHASE 3	SOLUTIONS
1811GM/L3257	00107	MGMT INC.	STUDY (RI/FS) PHASES 2B AND 3				181-03-0179
RPT	00.0	D. BALCH	(INCLUDES EFAWEST TRANSMITTAL				26 OF 46
N62474-II-D-5086		DISTRIBUTION	LETTER BY L. LEW)				SW06030903
00210							41074200

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000856 NONE RPT N62474-88-D-5086 00200	11-24-1999 <b>09-28-1993</b> 00107 00.0	PRC ENVIRONMENTAL MGMT INC.  NAVFAC - EFA WEST	DRAFT FINAL FOLLOW-ON FIELD SAMPLING PLAN (FSP) REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) PHASES 2B AND 3 (SEE AR #1080 - REVISED DRAFT FINAL AND AR #1128 - REPLACEMENT COVER PAGE TO FINALIZE DRAFT FINAL TO FINAL)	ADMIN RECORD	FSP RI/FS	PHASE 2B PHASE 3	CHOICE IMAGING SOLUTIONS 181-03-0179 26 OF 46 SW06030903 41074200
N00236 / 001080 NONE RPT N62474-88-D-5086 00200	11-24-1999 <b>08-10-1994</b> 00107 00.0	PRC ENVIRONMENTAL MGMT INC.  NAVFAC - EFA WEST	REVISED DRAFT FINAL (REVISION TO SEPTEMBER 1993 DRAFT FINAL) FOLLOW- ON FIELD SAMPLING PLAN (FSP) REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) PHASES 2B AND 3	ADMIN RECORD	FSP RI/FS	PHASE 2B PHASE 3	CHOICE IMAGING SOLUTIONS 181-03-0179 31 OF 46 SW06030904 41074200
N00236 / 001128 EFAW SER 09ER3GK/L5020 CORRESP NONE 00002	11-24-1999 <b>10-18-1994</b> NONE 00.0	NAVFAC - EFA WEST G. KIKUGAWA VARIOUS AGENCIES	TRANSMITTAL OF REPLACEMENT COVER PAGES TO FINALIZE THE DRAFT FINAL FIELD SAMPLING PLANS (FSP) FOR FOLLOW-ON FIELD WORK TO FINAL FOLLOW-ON FIELD SAMPLING PLANS REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) FOR PHASE 2A, (**SEE COMMENTS)	ADMIN RECORD	FSP RI/FS	PHASE 2A PHASE 2B PHASE 3 PHASE 5 PHASE 6	CHOICE IMAGING SOLUTIONS 181-03-0179 31 OF 46 SW06040601 41074200

UIC No. / Rec. No.							Location
Doc. Control No.	Prc. Date	Author Affil.					FRC Access. No.
Record Type	Record Date	Author					FRC/SWDIV Box No.
Contr./Guid. No.	CTO No.	Recipient Affil.					FRC Warehouse Loc.
Approx. # Pages	EPA Cat. #	Recipient	Subject	Classification	Keywords	Sites	CD No.
N00236 / 000120	06-28-2001	IT CORPORATION	FINAL - ENVIRONMENTAL BASELINE	ADMIN RECORD	PAH	ZONE 001	SOUTHWEST
1592.0 & 1592.1	<b>01-01-2001</b>		SURVEY (EBS) - (16 VOLUMES) - INCLUDES	INFO	PCB	ZONE 002	DIVISION - BLDG. 1
RPT	00022	NAVFAC -	ELECTRONIC VERSION {SEE AR #158 -	REPOSITORY	SVOC	ZONE 003	181-03-0179
N62474-98-D-2076		SOUTHWEST	GUIDE TO FINAL EBS}		SWMU	ZONE 004	3 THRU 8 OF 46
08000		DIVISION			TPH	ZONE 005	BOXES 3 THRU 8
					USE	ZONE 006	OF 46 - CHECKED
					UXO	ZONE 007	OUT BY L.
					VOC	ZONE 008	O'CAMPO ON
						ZONE 009	9/22/04 (X 2-0969)
						ZONE 010	41074200
						ZONE 011	
						ZONE 012	
						ZONE 013	
						ZONE 014	
						ZONE 015	
						ZONE 016	
						ZONE 017	
						ZONE 018	
						ZONE 019	
						ZONE 020	
						ZONE 021	
						ZONE 022	
						ZONE 023	
						ZONE 024	
N00236 / 000890	08-08-2003	CRWQCB - SAN	LETTER IN RESPONSE TO NAVY'S 10 JUNE	ADMIN RECORD	TDS		SOUTHWEST
NONE	<b>07-21-2003</b>	FRANCISCO	2003 REQUEST FOR AN EXEMPTION FROM	INFO			DIVISION - BLDG.
LTR	NONE	J. HUANG	THE MUNICIPAL AND DOMESTIC WATER	REPOSITORY			110
NONE		NAVFAC -	SUPPLY DESIGNATION IN ACCORDANCE				
00005		SOUTHWEST	TO SAN FRANCISCO BAY REGIONAL				
		DIVISION	WATER QUALITY CONTROL BOARD				
		G. CLARK	RESOLUTION 89-39 AND STATE WATER				BX-001
			RESOURCES CONTROL BOARD				

UIC No. / Rec. No.								Location	
Doc. Control No.	Prc. Date	Author Affil.						FRC Access. No.	
Record Type	Record Date	Author						FRC/SWDIV Box No.	
Contr./Guid. No.	CTO No.	Recipient Affil.						FRC Warehouse Loc.	
Approx. # Pages	EPA Cat. #	Recipient		Subject		Classification	Keywords	Sites	CD No.

**Total Estimated Record Page Count:** 8,867

**Total - Administrative Records:** 8

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**ATTACHMENT C**  
**TRANSCRIPT FROM PUBLIC MEETING, SIGN-IN SHEET, AND PUBLIC NOTICE**

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PUBLIC MEETING for the  
Former Transformer Storage Area (Site 15)  
PROPOSED PLAN  
ALAMEDA POINT, ALAMEDA

October 19, 2005  
6:30 to 7:45 p.m.

Thomas L. Macchiarella  
Alameda Point BRAC Environmental Coordinator  
BRAC Program Management Office West

Glenna Clark  
Remedial Project Manager  
BRAC Program Management Office West



1 WEDNESDAY, OCTOBER 19, 2005

6:36 P.M.

2 P R O C E E D I N G S

3 MR. MACCHIARELLA: Welcome to the Site 15  
4 Proposed Plan Public Meeting between 6:30 and 7. Our  
5 first agenda item we will be available for questions as  
6 you are able to look at our poster boards up front. We'll  
7 turn off our recorder now and resume at 6:45.

8 Good evening and welcome to the proposed  
9 plan meeting for the former transformer storage area Site  
10 15 at Alameda Point.

11 My name is Thomas Macchiarella. I'm the  
12 Navy BRAC environmental coordinator for Alameda Point.  
13 Tonight, first we're going to go through an overview of  
14 the Navy's restoration program in general for Alameda  
15 Point and then we'll go into specifics of Site 15 and then  
16 we'll have a clarifying questions time period and then we  
17 will go into listening mode and receive public comments,  
18 which will be recorded and formally responded to in our  
19 Record of Decision.

20 The Installation Restoration Program for  
21 Alameda Point is managed by the BRAC Program Management  
22 Office West with support from the Southwest Division Naval  
23 Facilities Engineering Command. The BRAC PMO West reports  
24 to the Deputy Assistant Secretary of the Navy for  
25 Installations and Environment. As the appointed BRAC, I

1 have the responsibility and authority to conduct an IR  
2 program for Alameda Point.

3 What is the Navy's IR program? The purpose  
4 of the program is to identify, investigate, assess,  
5 characterize and clean up hazardous substances; to reduce  
6 the risk to human health in the environment from past  
7 waste disposal operations and hazardous materials spills;  
8 to be consistent with CERCLA, which is the Comprehensive  
9 Environmental Response, Compensation and Liability Act,  
10 commonly referred to as Superfund; and to reach the goal  
11 of moving all the environmental sites to site closeout  
12 status.

13 The CERCLA process, as shown on the figure,  
14 begins with the preliminary assessment/site inspection.  
15 It moves on to the remedial investigation/feasibility  
16 study, then on to a proposed plan and remedy selection,  
17 which is where we are now, then to a Record of Decision  
18 and on to remedial design/remedial action and finally onto  
19 site closure.

20 Sometimes part of this process can be  
21 skipped and you can move directly on to another step. And  
22 there is also another process called the removal action  
23 process which can occur any time during this process.

24 At Alameda Point, the Installation  
25 Restoration Program at a glance is there are 35 specified

1 sites listed in the Installation Restoration Program. NAS  
2 Alameda is listed on the National Priorities List and U.S.  
3 EPA is the lead regulatory agency.

4 There exists a Federal Facilities Agreement  
5 between the U.S. EPA and the Navy for NAS Alameda. We  
6 have a BRAC cleanup team which is composed of the U.S.  
7 EPA, the Navy, California Department of Toxic Substances  
8 Control and the San Francisco Bay Regional Water Quality  
9 Control Board.

10 We also have a Site Management Plan, which  
11 is a detailed schedule for all the Alameda Point  
12 Installation Restoration sites, which is formally updated  
13 annually and informally updated almost monthly.

14 Current phase for the Former Transformer  
15 Storage Area is the Proposed Plan which provides for  
16 community involvement, summarizes the environmental  
17 efforts to date, proposes a decision and precedes the  
18 Record of Decision.

19 Do we have any questions on the  
20 Installation Restoration Program and CERCLA process?  
21 Thank you.

22 Let's move on down to a presentation by  
23 Ms. Glenna Clark, specific to Site 15, the Former  
24 Transformer Storage Area.

25 MS. CLARK: Thank you for coming to our

1 meeting tonight. My name is Glenna Clark and I'm the RPM  
2 for Site 15. It's the Former Transformer Area at Alameda  
3 Point.

4 Tonight, I'd like to briefly go over the  
5 proposed plan, which would include site description,  
6 environmental investigations, site-specific risk  
7 assessments, conclusions and the next step in the CERCLA  
8 process.

9 Site 15 is located in the northwestern  
10 portion of Alameda Point. The Former Transformer Storage  
11 Area consists of six unpaved acres, including  
12 approximately one acre of wetlands that occupies the  
13 northern edge of the site. A railroad known as Alameda  
14 Mole traversed through the site.

15 Building 27 is the only building that  
16 remains on the site. It was a sewer lift station and  
17 maintenance shop. It stored petroleum products and  
18 disinfectants.

19 There were three former buildings there,  
20 buildings 283, 301 and 389. They stored electrical  
21 equipment, oil transformers and unused machinery.

22 The former buildings 283 and 301 were  
23 Quonset huts. This is just a map of Site 15. It shows  
24 the former buildings and this is site building 27 and the  
25 railroad went through the site this way (indicating) to a

1 ferry building.

2 Now I'd like to go over environmental  
3 investigations. There were two major environmental  
4 investigations. There was Environmental Baseline Survey,  
5 which is referred to as EBS, and the Remedial  
6 Investigation, which we refer to as RI.

7 Phase 1 of the EBS investigation was  
8 completed in 1994. Phases 2A and 2B of the EBS  
9 investigation were completed in 2001. There was a storm  
10 sewer investigation that was completed in 2001.

11 For the Remedial Investigation, phases 2B  
12 and 3 investigations were completed in 1991. Then there  
13 was a follow-on investigation in 1994.

14 There was a removal action for lead and  
15 polychlorinated biphenyls, PCBs, in soil, completed in  
16 1998. There was also a wetland delineation and data gap  
17 sampling completed in 2001; and a PAH confirmation  
18 sampling, which is polynuclear aromatic hydrocarbons, in  
19 2005.

20 Findings from the investigations were PAHs  
21 in soil, PCBs in soil and lead in soil. The PAHs are  
22 basically associated with fill material from the San  
23 Francisco Bay that was used to create the installation or  
24 the railroad that was present before the site became a  
25 naval air station.

1                   Because PAHs, expressed as benzo(a)pyrene  
2                   equivalents, are below 1 ppm, with the average  
3                   concentration below the screening level of .62 ppm, no  
4                   action is necessary.

5                   Elevated concentrations of the PCB and lead  
6                   and soil were associated with the storage of  
7                   PCB-containing transformers; use of historical petroleum,  
8                   oil, and lubricants and lead-based paint from buildings.

9                   There was a PCB and lead removal action.  
10                  The removal action was conducted in 1994 and continued  
11                  through 1998. As part of the removal action, 6600 cubic  
12                  yards of soil was removed and the area was backfilled with  
13                  clean soil.

14                  Confirmation samples were collected after  
15                  the excavation and it showed that the soil contained less  
16                  than 1 PPM of PCBs and less than 130 PPM of lead. No  
17                  further action is necessary.

18                  The next line I want to show you the  
19                  excavation area. This was the large excavation and there  
20                  were four smaller excavations (indicating). The  
21                  excavations went about two feet deep.

22                  Now I want to talk about the human health  
23                  risk assessment and the ecological risk assessment.

24                  The exposure scenarios we'll look at is  
25                  residential and construction worker and we'll look at the

1 soil and groundwater from zero to ten feet below ground  
2 surface. For residential, the total cancer risk,  
3 including background, which would be metals, is  $1 \times 10^{-4}$  with  
4 a noncancer hazard index of 2. The background for  
5 residential is  $1 \times 10^{-4}$  with a hazard index background of 2.  
6 The incremental risk which is the total risk minus the  
7 background is less than  $10^{-6}$ , and the hazard index is less  
8 than 1.

9 For the construction worker, the total  
10 risk, including background, is  $3 \times 10^{-7}$  with a hazard index  
11 of .2.

12 The risk drivers are actually the  
13 background metals. The background metals in soil were  
14 aluminum, arsenic, and manganese. The background metas in  
15 groundwater were arsenic, barium and manganese. Fill  
16 events, that's where we got the PAHs in the soil.

17 The recommendation is based on the low  
18 levels of incremental contamination, no remedial action  
19 for soil or groundwater is necessary at Site 15 to protect  
20 human health.

21 We also performed an ecological risk  
22 assessment, which a performs in conjunction with  
23 ecological experts from U.S. EPA, California Department of  
24 Toxic Substances Control and California Regional Water  
25 Quality Control Board.

1                   We evaluated whether unacceptable risk is  
2 posed to the California ground squirrel, Alameda song  
3 sparrow, red-tailed hawk and marine receptors.

4                   The conclusions from the ecological risk  
5 assessment: Other than the wetland, Site 15 supports only  
6 a limited habitat and the future land uses would not  
7 create additional ecological habitat.

8                   The site poses little or no risk to  
9 ecological receptors, including the wetland and no  
10 remedial action is necessary.

11                  Therefore, the conclusions, based on all  
12 our studies, was based on the low chemical concentrations  
13 in soil and groundwater at Site 15, no remedial action is  
14 necessary to protect human health or ecological receptors  
15 and we have regulatory concurrence with this.

16                  The next step in the circle of process is  
17 to accept public comments on the proposed plan. We will  
18 respond to those public comments in a responsive summary  
19 that will be attached to the Record of Decision.

20                  Of course, we'll have a document that's  
21 called a Record of Decision that will document no action.  
22 Then we'll place a public notice in a local newspaper to  
23 announce the availability of the signed ROD.

24                  Questions?

25                  MR. MACCHIARELLA: Thank you. Do we have



1 any clarifying questions? Okay. No questions. From now  
2 to the end of the meeting, we will go into the public  
3 comment period.

4 As there are no members of the public here  
5 to provide comments, we'll go into waiting mode and turn  
6 off our recorder and start again if we have any new  
7 visitors.

8 It's 7:45 and we don't have any new  
9 attendees, so the meeting is adjourned.

10 (Meeting concluded at 7:45 p.m.)

11 ---oOo---

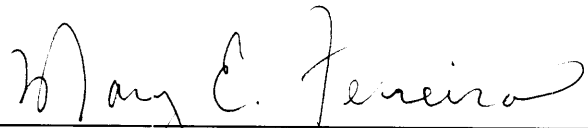
1 COUNTY OF ALAMEDA )  
2 STATE OF CALIFORNIA ) SS.

3  
4  
5 CERTIFICATE OF REPORTER

6 I, MARY E. FERREIRA, Certified Shorthand  
7 Reporter, do hereby certify that I am a Court Reporter for  
8 the State of California, and that, as such, I reported the  
9 proceedings had in the above-entitled matter at the time  
10 and place set forth herein.

11 I further certify that my stenographic notes  
12 were thereafter prepared by computer-assisted  
13 transcription into typewriting, and that the foregoing  
14 pages constitute a full, true, and correct transcription  
15 of said notes in the above-entitled proceedings to the  
16 best of my ability.

17 Dated at Castro Valley, California, this 31st  
18 day of October, 2005.

19  
20  
21  
22   
23 MARY E. FERREIRA, CSR #10553, RPR  
24  
25

Sign-In Sheet Public Meeting for Former Transformer Storage Area (Site 15), Alameda Point, California – October 19, 2005

Name	Address (Optional)	How Did you Hear About this Meeting? (✓)				
		Mailer	Notice in the Alameda Journal	Notice in the Oakland Tribune	Word of Mouth	Other (Please list)
Name Thomas Macchiarella	Street 1455 Frazee Rd Ste 900					
Affiliation US Navy	City, State and Zip San Diego, CA 92108					
Name Anna-Marie Cook	Street					
USEPA	City, State and Zip					
Name Craig Hunter	Street					
Tetra Tech	City, State and Zip					
Name Glenna Clark	Street					
U.S. Navy	City, State and Zip					
Name Tommie Jean Daniel	Street 135 Main St. Ste 1800					
Tetra Tech EMI	City, State and Zip San Francisco, CA 94105					
Name Tudy C. Huang	Street 1515 Clay St. Ste. 1400					
SF BAY RWQCB	City, State and Zip OAKLAND, CA 94612					
Name Sophia Suda	Street					
USEPA	City, State and Zip					
Name Marcia Liao	Street					
DTSC	City, State and Zip					
Name Peter Russell	Street					
ARRA (RRI)	City, State and Zip					



## **NOTICE OF PROPOSED PLAN AND PUBLIC COMMENT PERIOD**



### **Proposal of No Further Action at Site 15, a Former Transformer Storage Area Alameda Point, California**

The U.S. Navy, in coordination with state and environmental regulatory agencies, encourages the public to comment on its Proposed Plan for no further action at a former transformer storage area, identified as Installation Restoration (IR) Site 15 at the former Alameda Naval Air Station, now referred to as Alameda Point, in Alameda, California.

Site 15 is located on the northwestern corner of Alameda Point. The site was used by the Navy as a storage area for electrical equipment and oil-filled transformers. As a result, soil was contaminated with polychlorinated biphenyls (PCBs) and lead. A removal action that was conducted from 1994 through 1998 removed 6,600 cubic yards of contaminated soil, and the area was backfilled with clean soil. The Proposed Plan provides a summary of investigations performed at the site including a remedial investigation and human health and ecological risk assessments. Based on data collected and analyzed for the site, no further environmental work is proposed because the potential risk to humans and animals is insignificant. This finding supports the eventual transfer to and redevelopment of the property by the Alameda Reuse and Redevelopment Authority.

#### **PUBLIC COMMENT PERIOD**

The Navy invites interested members of the public to review and comment on the Proposed Plan during the 30-day public comment period which is from September 28<sup>th</sup> to October 28<sup>th</sup>, 2005. Public comments must be submitted in writing and postmarked or e-mailed no later than October 28, 2005, or attend the public meeting on October 19, 2005. Please send all comments to: Mr. Thomas Macchiarella, BRAC Environmental Coordinator, BRAC Program Management Office West, 1455 Frazee Road, Suite 900, San Diego, California 92108-4310, [Thomas.macchiarella@navy.mil](mailto:Thomas.macchiarella@navy.mil), (619) 532-0907, fax (619) 532-0940.

#### **PUBLIC MEETING**

The Navy will host a public meeting to discuss the Proposed Plan, answer questions and accept public comments.

Date: Wednesday, October 19, 2005

Time: 6:30 p.m. to 8:00 p.m.

Location: 950 West Mall Square, Building 1, Room 201, Alameda Point, CA

#### **FOR MORE INFORMATION**

A copy of the Proposed Plan, Remedial Investigation, Human Health and Ecological Risk Assessments and other site documents are available for review at:

Alameda Point  
950 West Mall Square  
Building 1, Rooms 240-241  
Alameda, California

Alameda Public Library  
2200 A Central Avenue  
Alameda, California  
(510) 747-7777

If you have any questions or wish to discuss the Site 15 project, please contact Mr. Thomas Macchiarella, BRAC Environmental Coordinator, at (619) 532-0907, fax (619) 532-0940.

**ATTACHMENT D**  
**RESPONSIVENESS SUMMARY**

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## D.1 STAKEHOLDER COMMENTS AND LEAD AGENCY RESPONSES

<b>ALAMEDA POINT – ALAMEDA, CALIFORNIA PROPOSED PLAN, OPERABLE UNIT 1 SITE 15</b>		
<b>Letters Received During Public Comment Period</b>		
<b>Comments by: Patrick Lynch</b>		
<b>Number</b>	<b>Comments</b>	<b>Response</b>
1	I believe that a Feasibility Study of potential cleanup alternatives at Site 15 should be prepared by the Navy. The FS should use analytical data that is timely and representative of current site conditions. In my opinion soil samples collected in 1991 and 1995 from an uncontrolled hazardous waste site are not representative of site conditions in 2005.	The Navy collected data at Site 15 using a biased and phased sampling approach from 1982 until 2001, and the Navy and agencies believe that the data used in the final Remedial Investigation (RI) report dated June 2003 are representative of site conditions and are adequate to characterize the soil and groundwater at the site. In addition, with the exception of the soil removal action, the site conditions have not changed between the time the data were collected and today because all naval operations have ceased at Alameda Point and the site is not currently being used. Because Site 15 has only low levels of contamination that do not pose a significant risk for its current or proposed future use, it is not necessary to prepare a feasibility study.
2	The Proposed Plan lists a number of “Environmental Investigations” conducted at Site 15 in a manner that is misleading. Consider the listing: “Phases 2A and 2B EBS investigation in 2001,” which is a reference to sampling conducted in 1995 that did not include a Phase 2B investigation. Perhaps if the list of “Environmental Investigations” instead included only references to relevant investigations, referred to the investigation reports by their actual title, and provided index number for these reports so a member of the public could find these documents in the information repository, the Proposed Plan would enable, rather than discourage, public participation in “cleanup” or “no-cleanup” decisions. The Proposed Plan and past actions make it clear that the Navy continues to have no appreciation for the value of public participation in cleanup decisions.	The Navy appreciates public participation in cleanup decisions and attempted to provide the public with clear descriptions of all environmental investigations at Site 15 in the proposed plan. With the exception of two of the environmental baseline survey (EBS) investigations, Phases 2A and 2B and the storm sewer investigation, the dates listed in the proposed plan refer to the date of the sampling. These EBS investigation dates reference the year the report was published. The commenter is correct that sampling was not conducted at Site 15 during EBS Phase 2B; however, the EBS investigation was presented as Phases 2A and 2B to be consistent with the report name. The Navy will consider these comments in preparation of future proposed plans.

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3	<p>The Zone 3 Environmental Baseline Survey (EBS) shows that on May 13, 1993, an estimated 3,000-gallons and 2,500-gallons of hazardous materials remained stored at Building 283 and Building 301, respectively. The two Quonset Huts had dirt floors. I could not identify any data to demonstrate that this hazardous material storage did not leave contamination behind at Site 15.</p>	<p>Site 15 was a former transformer storage area, and oil containing polychlorinated biphenyls (PCB) was stored there at one time. This PCB-containing oil was drained from the transformers and sprayed on the ground nearby for weed control and was known to occasionally leak from transformers. Therefore, after the 1993 sighting referred to in the comment, a removal action was conducted from May 1994 to December 1995. The removal action objectives were to: (1) mitigate the risk to human health and the environment caused by potential exposures to soils with elevated PCB and lead levels, and (2) reduce the potential impacts of soil contaminants on groundwater. Based on confirmation sampling and additional data collected in 2001, the Navy believes that Site 15 has only low levels of contamination remaining, and it does not pose a significant risk for current or proposed future site use.</p>
4	<p>Soil excavated during the failed Non-time Critical Removal Action was stored in an un-sampled area of Site 15. The 30-foot high pile of contaminated soil was stored for several months after confirmation samples were collected. Plastic sheeting initially used to cover the contaminated soil was not maintained and as a result was promptly removed by shore breezes. Rank vegetation had grown over the contaminated soil before the soil pile was relocated to EBS Parcel 18 because of flooding at Site 15. There is no data to demonstrate that this illegal storage of hazardous waste (i.e. failure to meet minimum standards) during the removal action did not result in immediate redistribution of PCBs and lead throughout Site 15.</p>	<p>The non-time-critical removal action successfully removed 6,600 cubic yards of contaminated soil from Site 15 and safely disposed of the material off-site. In addition, 526 tons of building debris (some contaminated with asbestos and lead) were also disposed off-site. Although the initial cleanup technology (soil washing) was not successful, the removal action did accomplish its remedial objectives. The excavated soil was temporarily stored on a liner and covered at Site 15 for six months, then completely removed from Site 15 to a Temporary Treatment and Storage Area in Parcel 18 by early December 1995. The stockpile remained at Parcel 18 for 22 months until it was disposed at offsite disposal facilities in October 1997. The Temporary Treatment and Storage Area was constructed so that a liner was also placed between the stockpiled soil and the ground at Parcel 18. Confirmation samples collected at Site 15 during November and December 1995 do not show evidence of recontamination. Neither PCBs (Aroclors) nor lead were detected above the cleanup goals.</p>

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5	<p>The relocation of contaminated soil from Site 15 to a Corrective Action Management Unit (CAMU) at EBS Parcel 18 created two contaminated sites from one. The Amended Action Memorandum stated the CAMU location was already contaminated with PCBs and this contamination would be addressed later. The CAMU was used to store hazardous waste for more than one year, yet in violation of federal base closure laws there is no mention of a CAMU at this parcel in the 2001 EBS Report. PCB contamination at Parcel 18, which may be impacted by PCB releases from the Site 15 CAMU should be addressed by the Site 15 Proposed Plan since Site 15 is a likely source of this contamination and Parcel 18 contamination is not being addressed elsewhere.</p>	<p>The removal and storage of soil was conducted under the Installation Restoration program, which conforms to CERCLA requirements. In addition, Addenda to the CERCLA documents (engineering evaluation/cost analysis and action memorandum) were prepared to support the change in remedial action and final disposition of the soil. These actions were done with the knowledge and concurrence of the Department of Toxic Substances Control. A corrective action management unit, which is a special unit for permanent hazardous waste management under the federal Resource Conservation and Recovery Act, was not established nor was it required. A corrective action management unit is typically used as a permanent means of hazardous waste disposal. The Navy had no intention that the stockpiled contaminated soil would be permanently disposed at any location at Alameda Point. Consequently, rather than develop a corrective action management unit, a temporary storage area was constructed.</p> <p>As mentioned in the response above, the excavated soil was temporarily stored on a liner and covered at Site 15, then completely removed from Site 15 to a Temporary Treatment and Storage Area in Parcel 18 by early December 1995. A liner was also placed between the excavated soil and the ground at Parcel 18.</p> <p>Parcel 18 is being evaluated as Site 34. A workplan is in preparation for the site and includes sampling for Aroclors and metals at the location in Parcel 18 where the Temporary Treatment and Storage Area was situated.</p>
6	<p>The presence of 2,4-dinitrotoluene and n-nitroso-di-n-propylamine in soil samples collected from Site 15 in 1991 has not been addressed in the Proposed Plan. These toxic materials originated in Navy weapons systems. What are these explosive and propellant components doing at Site 15? Open detonation? Munitions burial?</p>	<p>The proposed plan did not address these chemicals because they were not found to pose a risk to human health or the environment. Of the chemicals mentioned, only 2,4-dinitrotoluene is a component of explosive materials. The chemical n-nitroso-di-n-propylamine is not a component of rocket fuels or explosives; however, a similar chemical, n-nitrosodimethylamine, is a component of rocket fuel. There are no known industrial uses of n-nitroso-di-n-propylamine outside of research laboratories.</p>



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		<p>Also, these chemicals were only detected in one duplicate soil sample (B15-01-002-Dup) and were not detected in the original sample (B15-01-002).</p> <p>The chemical 2,4-dinitrotoluene was detected in the duplicate soil sample (B15-01-002-Dup) at a concentration of 1,100 micrograms per kilogram (<math>\mu\text{g/kg}</math>). It was not detected in the original sample at a concentration greater than the detection limit of 170 <math>\mu\text{g/kg}</math>. As with 2,4-dinitrotoluene, there was a single detection of n-nitroso-di-n-propylamine in the duplicate soil sample at a concentration of 870 <math>\mu\text{g/kg}</math>. It was not detected in the original sample at a concentration greater than the detection limit of 120 <math>\mu\text{g/kg}</math>. Thus, the presence of 2,4-dinitrotoluene and n-nitroso-di-n-propylamine in soil is suspect. Deeper samples at the same location did not show the presence of 2,4-dinitrotoluene or nitroso-di-n-propylamine. No other sample collected at Site 15 showed detected concentrations of these chemical either.</p> <p>Chemicals reported in soil at Site 15 after completion of the removal action are presented in <a href="#">Table 5-1</a> of this record of decision report. The chemicals 2,4-dinitrotoluene and n-nitroso-di-n-propylamine are not shown because data associated with quality control samples are not included in the table.</p>
7	<p>Even if the timeliness and completeness of Site 15 data is not questioned, the conclusion that the residential risk is below <math>10^{-6}</math> appears to be absurd. The cleanup level for PCBs of 1.0 ppm is above the 0.066 ppm residential PRG in 1994 when the removal action was conducted and is above the current PCB residential PRG of 0.22 ppm.</p>	<p>The Navy concluded that residential cancer risk is within the risk management range of <math>10^{-6}</math> to <math>10^{-4}</math>, which is similar to the risk from background metals. Risks calculated in the human health risk assessment (HHRA) use site-specific information and are consistent with EPA and DTSC guidelines for baseline risk assessments. In contrast, EPA guidance clearly states that preliminary remediation goals are intended for use in initial screening-level evaluations of soil and groundwater because they are calculated without regard to site-specific information.</p>
8	<p>What is the origination of the PAH screening level of 0.62 ppm? What document in the information repository has been made available for public review and comment that supports ignoring the human health</p>	<p>The agencies and Navy had a meeting regarding polynuclear aromatic hydrocarbons (PAHs) in soil at Alameda Point on May 31, 2001. At that meeting, given site specific circumstances, the Navy and the agencies established a screening criterion of 0.62 milligrams per kilogram for</p>

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	risks and environmental impacts of PAH contamination below this concentration?	PAHs, which is the midpoint of the risk management range. A summary of the meeting and its conclusions was presented to the Restoration Advisory Board (RAB) at the June 5, 2001 RAB meeting. The RAB meeting summary is posted on the Navy's website: <a href="http://www.bracpmo.navy.mil">www.bracpmo.navy.mil</a> .
9	Immediately across the Oakland Estuary from Site 15 one of the largest sources of diesel particulate matter that is carcinogenic primarily because of the PAH content. Diesel particulate matter is responsible for about 80 percent of the cancer risk from toxic air emissions in California. Why was the PAH screening level of 0.62 ppm in soil developed without the evaluation of PAH exposure from breathing air containing PAHs?	The baseline risk assessments conducted under the Installation Restoration program for Alameda Point are not intended to evaluate risk from offsite sources. They are intended to estimate human health risks associated with possible exposure to site-related chemicals, and please note that the HHRA for Site 15 included evaluations of inhalation pathways (inhalation of vapors in indoor and ambient air and inhalation of dust). Potential risk from inhalation pathways was assessed using soil and groundwater data. Because only chemicals considered to volatilize to air were evaluated for indoor and ambient air pathways, PAHs were only evaluated for the dust inhalation pathway. The potential risk from PAHs at Site 15 considering inhalation of dust, incidental ingestion, ingestion of homegrown produce, and dermal contact pathways is $3 \times 10^{-5}$ , which is within the risk management range.
10	What were the site dimensions and wind speed used to evaluate dust-emissions and air quality impacts in evaluating site risks from soil contamination?	For the inhalation of dust pathway, the following formula was used to calculate intake: $CS/PEF \times IR \times ET \times EF \times ED / BW \times AT$ , where CS = chemical concentration in soil PEF = particulate emission factor ( $m^3/kg$ ) IR = inhalation rate ( $m^3/hour$ ) ET = exposure time (hours per day) EF = exposure frequency; how often exposure occurs (days per year) ED = exposure duration; how long exposure occurs (years) BW = body weight (kg) AT = averaging time; period over which exposure is averaged (days) The following inhalation rates were used for a resident: $20 m^3/day$ for an adult and $10 m^3/day$ for a child. The particulate emission factor was $5 \times 10^{-8}$

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		m <sup>3</sup> /kg. The exposure duration was 30 years, and the exposure frequency was 350 events a year.
11	Why were no soil samples from Site 15 analyzed for asbestos?	Asbestos samples were not collected at Site 15 as a part of the RI investigations because sampling was focused on site activities, which did not include the use of asbestos. However, a basewide asbestos building survey that included inspections of buildings at Site 15 was conducted and documented in the Draft Asbestos Survey Report dated May 1995.
12	Did the risk assessment for recreational use include an analysis of the risk to subsistence fisherfolk? The Proposed Plan referred to, but did not include the risk calculations for the recreational exposure pathway in Table 1.	The evaluation of potential risk to recreational users at Site 15 did not evaluate ingestion of fish as a potential exposure pathway. Potential risk associated with offshore contaminants is being evaluated separately from Site 15, and the approach is presented in the Final Offshore Sediment Study Workplan at Oakland Inner Harbor, Pier Area, Todd Shipyard, and Western Bayside dated May 2005. The Site 15 risk calculations for the recreational scenario are presented in the RI report. Recreational cancer risk is 6E-06, and the noncancer hazard index is 0.04.
13	The California Toxics Rule contains federal water quality standards for PCBs, PAHs, and lead in San Francisco Bay waters. What was the design storm used to evaluate whether storm water runoff from the unpaved Site 15 would exceed these federal water quality standards?	Storm water runoff was not explicitly evaluated during the RI for Site 15. Ambient water quality criteria would only be applicable to groundwater plumes that discharge to the San Francisco Bay or through the storm drain system. There are no groundwater plumes at Site 15 and discharges through the storm drain system are governed by the National Pollutant Discharge Elimination System permit the City of Alameda maintains with the San Francisco Regional Water Quality Control Board. The only adopted sediment criteria for the San Francisco Bay are for mercury and Aroclors. Storm water runoff carrying sediment contaminated with Aroclors was not selected as a significant pathway because the removal action at Site 15 had reduced Aroclor concentrations to levels that were largely non-detectable. The detection limits were commonly less than the range of concentrations currently observed in the San Francisco Bay.
14	Have any samples been taken from the sediments or surface water surrounding storm-water outfall Z to	As part of the RI, sediment samples were collected near outfall Z; however, the recent dredging, begun in 2005, of the Oakland Inner Harbor makes the

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	demonstrate that PCBs, PAHs and lead in runoff from Site 15 have not already impacted surface waters?	results meaningless since they would not represent current conditions. It should also be noted that the storm water catch basins were cleaned in 1996; therefore, there is little likelihood that surface water runoff through storm drains would be an ongoing source of contamination.
15	The Navy was found to have violated federal laws requiring notification to employees, in this case firefighters, exposed to Site 15 contamination. It has also been noted that a former Navy firefighter filed a successful worker's compensation claim due to exposure to Site 15 contamination. It appears that a simple warning sign would have prevented this human health impact. How much would posting a warning sign at Site 15 have cost? How much money has been spent since 1983 on Site 15 investigations and cleanup? How can the Navy economically justify not placing warning signs at Site 15 and other the other 34 uncontrolled hazardous sites at the former air station?	This comment appears to address events that occurred many years ago and that are not relevant to existing site conditions as set forth in the proposed plan.
16	The Information Repository does not contain any sampling data from an Army Corps project at Site 15 in 1996 that included the burial of a sanitary sewer force main beneath the Oakland Estuary. What did the Army Corps do with contaminated soil that it encountered?	No samples are known to have been collected during this construction project. The removal of impacted soils at Site 15 had previously been completed during the 1994/1995 removal action.